



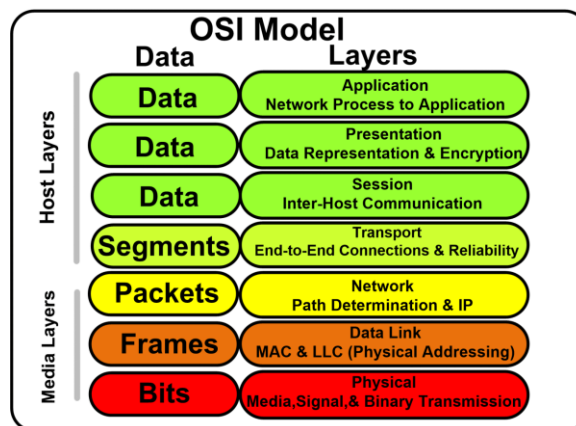
INSA443
Network Analysis & Design
Practical Labs

LAB No	1
LAB Topic	OSI model
The Program	Cisco Packet Tracer, Open net Riverbed, or Any reliable Programs
Course No	67178/67155

- **LAB Summary:**

Depending on your Study Knowledge Base, The OSI model is important Part of Networks Science (Technical & engineering). Stands for “Open Systems Interconnection model” and including seven Layers in the same model. Which means the OSI model is demonstrating the seven methodologies that the packet of data transmitted between the source and destination through the network. The method of performing the packet through the seven layers called “Encapsulation”. [Read More](#)

- **The OSI seven Layer:**



- **The Planned Scenario:**

- Network of Company X has Two Branches “Riyadh Headquarter” and “Jeddah Products Port”. Considers as two LANs belongs to main Company X network “WAN”.

- **The Required LAB:**

- Choose “One of The Protocols” that used in the Application Layer. “**Introduction**”
- define the chosen protocol and provide short description.
- Describe each layer performance of the data travel through the chosen Protocol.
- Perform Analytical thinking on How the chosen Protocol Pass through the network.
- Build the network through a simulation Program such “Cisco Packet tracer or Riverbed” and perform the chosen Protocol between Sender and Receiver.
- Catch the Traffic Flow and Performance Statistics through the simulation Program “**Conclusion**”
- Made a report including the information Table above, addition with your Name, Academic ID, and Course No.

Note: Report Delivered in 24SEP2020