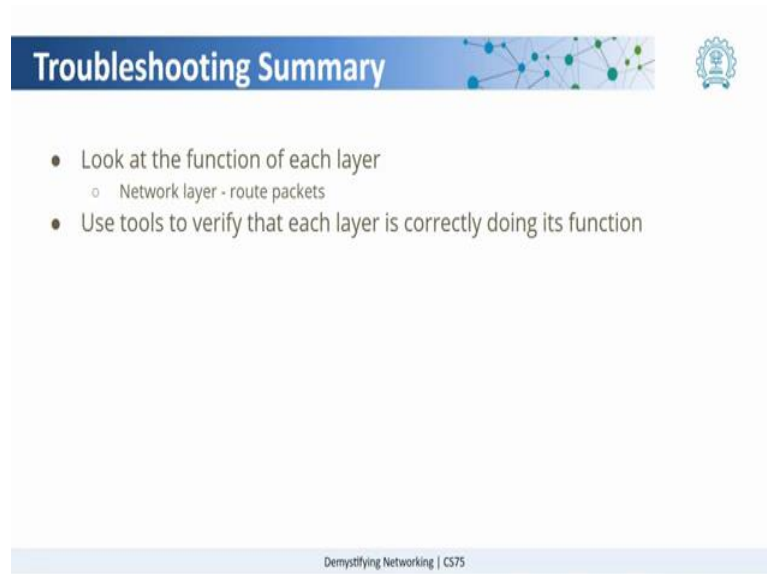


Demystifying networking
Department of Computer Science and Engineering
Indian Institute of Technology, Bombay

Lecture - 92
Troubleshooting Summary

(Refer Slide Time: 00:01)



The slide features a blue header with the text "Troubleshooting Summary" on the left, a network diagram of nodes and connections on the right, and the IIT Bombay logo on the far right. Below the header, there is a bulleted list of two main points, with the first point having a sub-point. At the bottom of the slide, there is a footer that reads "Demystifying Networking | CS75".

- Look at the function of each layer
 - Network layer - route packets
- Use tools to verify that each layer is correctly doing its function

Demystifying Networking | CS75

To summarize what we have to do at each layer is to look at the function of each layer. For example, function of physical layer is to provide connectivity, right. So, ensure that all the wires are in place, the switches are turned on etcetera. The function of network layer is to route packets to the correct network on the correct path etcetera. And there are tools available some of which we saw already use those tools to verify that each layer is actually performing those functions correctly. Now let us actually do some troubleshooting.