

SNS COLLEGE OF TECHNOLOGY

Coimbatore-36. An Autonomous Institution



COURSE NAME : 19CSB301 COMPUTER NETWORKS

III YEAR/ V SEMESTER

UNIT – III Internetworking and Routing

Topic: Routing Algorithms - RIP

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UNICAST ROUTING PROTOCOLS

A routing table can be either static or dynamic. A static table is one with manual entries. A dynamic table is one that is updated automatically when there is a change somewhere in the Internet. A routing protocol is a combination of rules and procedures that lets routers in the Internet inform each other of changes.



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Distance vector routing tables









Updating in Distance vector Routing







Discussion



Observe how many networks available in the given diagram? Which are the routers available?

How routing tables of each router got updated?



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- Behrouz A. Forouzan, "Data communication and Networking", Fourth Edition, Tata McGraw Hill, 2011
- Larry L. Peterson, Bruce S. Davie, "Computer Networks: A systems approach", Fifth Edition, Morgan Kaufmann Publishers, 2011.
- James F. Kurose, Keith W. Ross, "Computer Networking A Top-Down Approach Featuring the Internet", Fifth Edition, Pearson Education, 2009





