

WIRELESS & MOBILE COMPUTING

Unit 1:

Introduction to wireless, cellular, Digital , PCs mobile radio, speech coding for wireless system and application PCM, DPCM, DM, Vocoder & linear Predictive coding. Performance comparison.

Unit II:-

Media access control, Telecom system satellite system, broadcast system.

Unit III:-

Wireless LAN: IEEE802-11 Hiper LAN, Bluetooth, Adhoc Network: Characteristics , performance issue , routing in mobile host.

Unit IV:-

Network Issues: Mobile IP, DHCP< mobile transport layer, Indirect TCP, Snooping TCP, Mobile TCP, Time out freezing, selective transmission, transaction oriented TCP.

Unit V:-

Application Issue: Wireless Application control Dynamic DNS , File system synchronization protocol, context aware application security, analysis of existing wireless network.

References:

- 1.J. Schiller Mobile commm., Addison Wiley;
2. William C.Y. Lee, Mobile comm., design Fundamentals. John Wiley.
3. Dr. Kamilo Feher , wireless digital comm.. , PHI
4. Mark Caempa, Design & Implementation Of wireless LAN's , Thomson Learning.