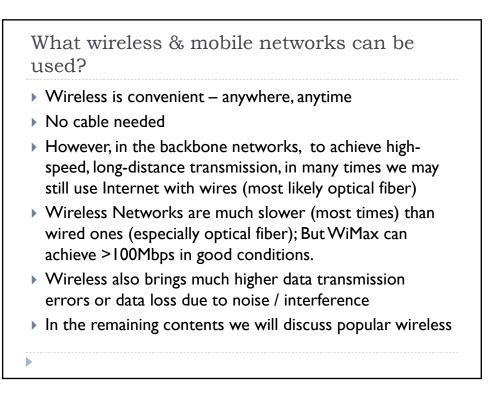
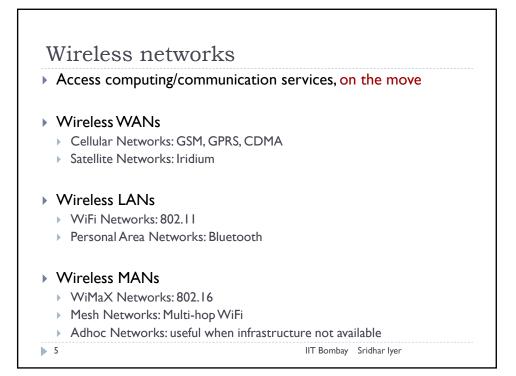
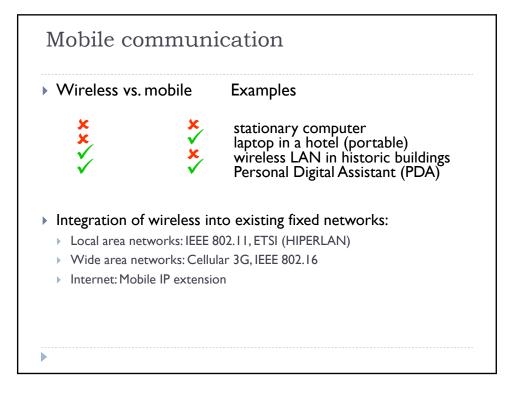
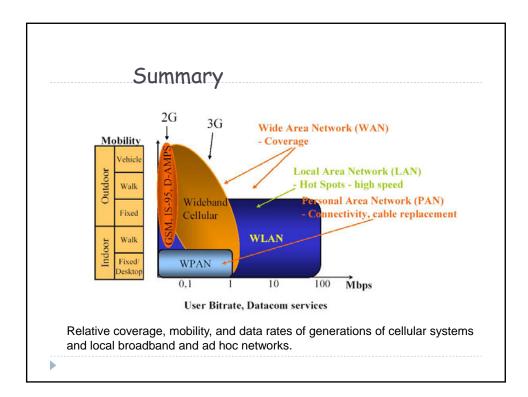


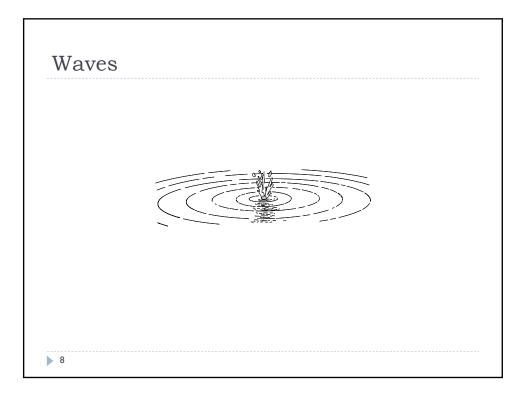
Thinking: How to monitor a patient whenever he/she goes to? When the patient is at home -- can use telephone (dial-up) - too slow -- Comcast - Cable Modem - Fast -- ADSL (Asymmetric Digital Subscriber Line) from AT & T -- Bluetooth + Internet (the above 3 also need Internet) When the patient is in a building -- Wireless LAN (also called WiFi) -- Wired LAN (high speed!) When the patient is driving /walking -- Cell phone -- WiMax -- Mobile Ah hoc Network, Vehicle Ad hoc Network, etc.

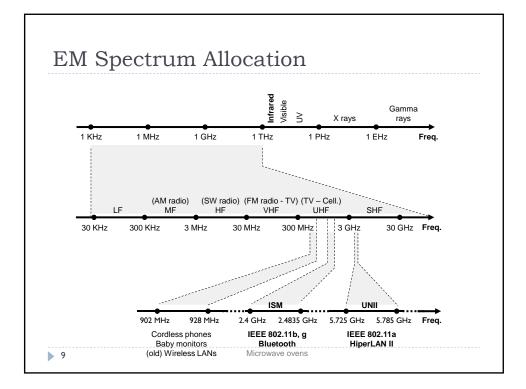


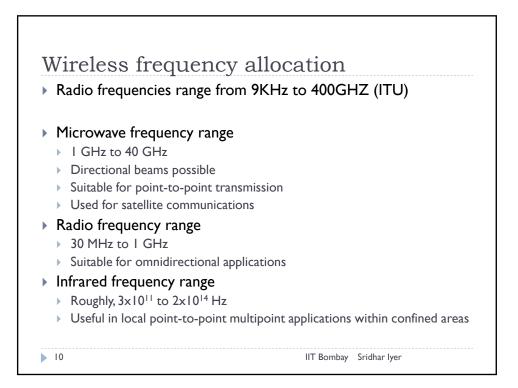


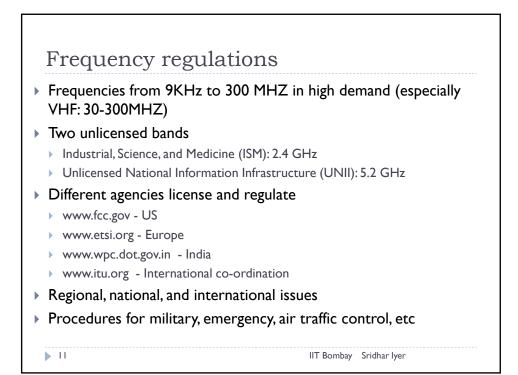


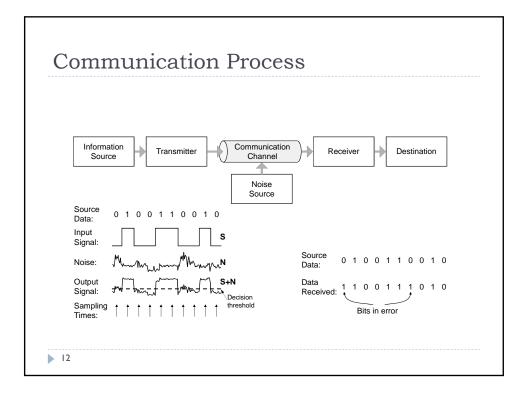


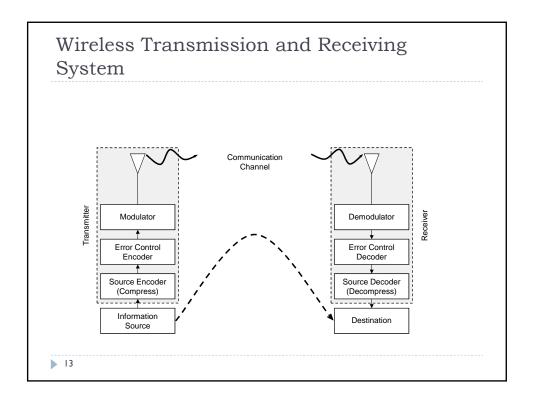


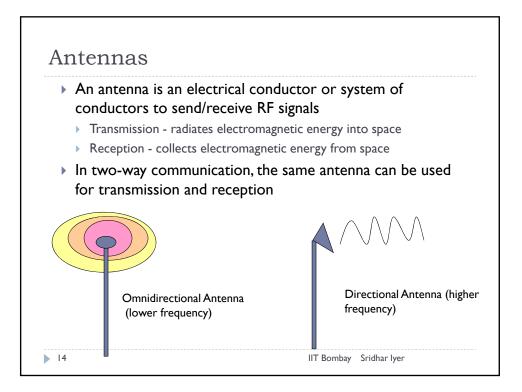


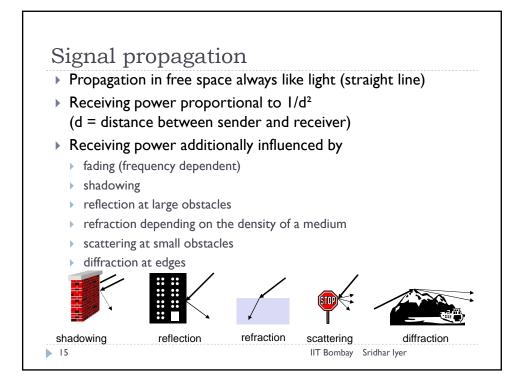


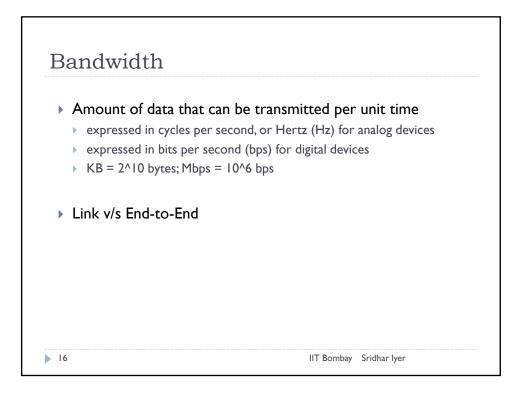


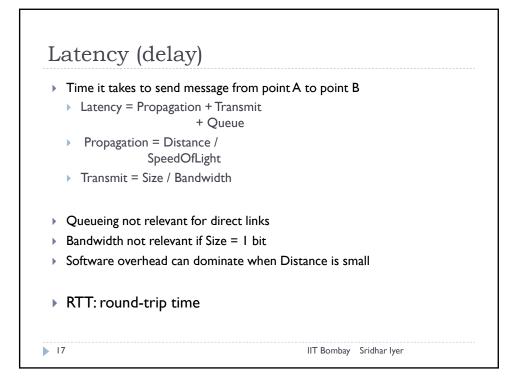


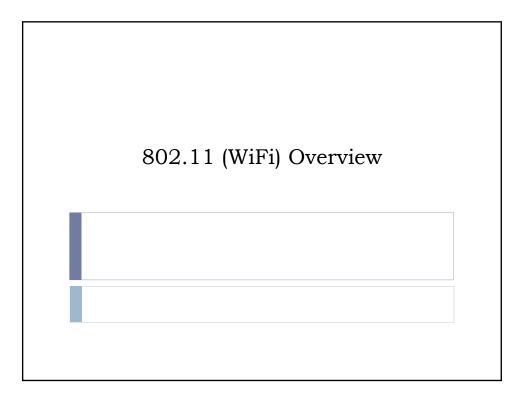


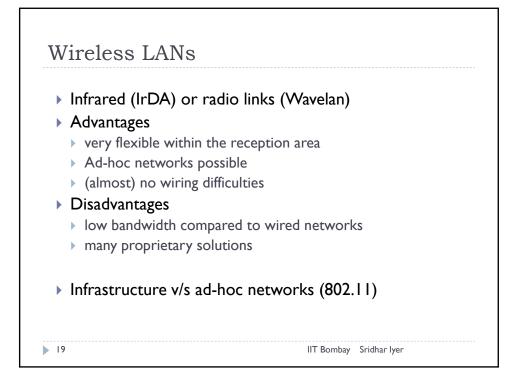


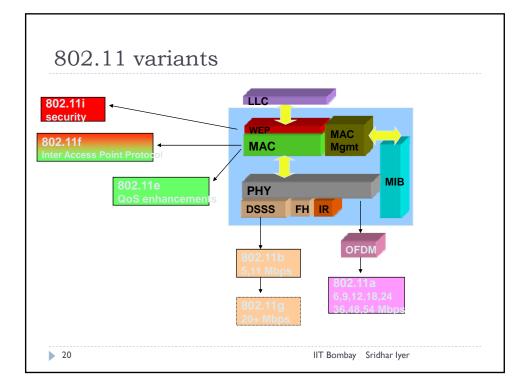


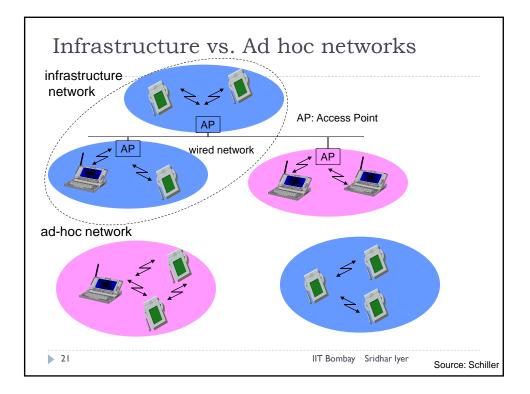


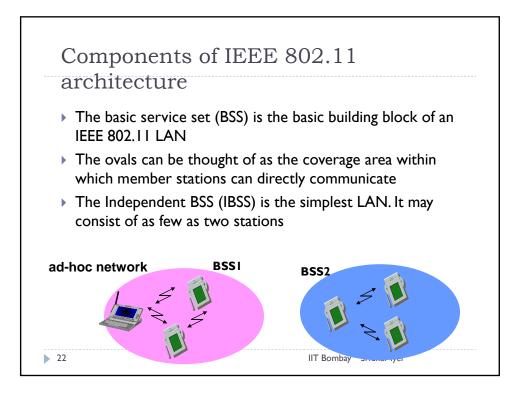


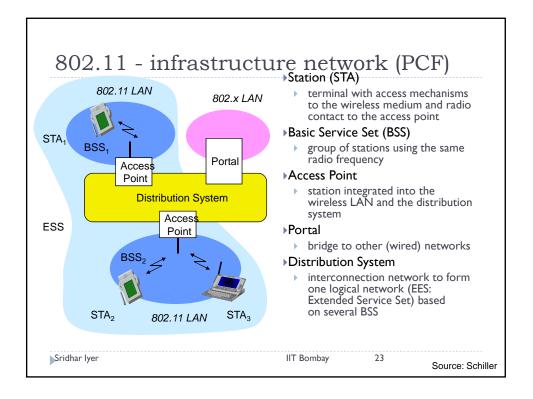


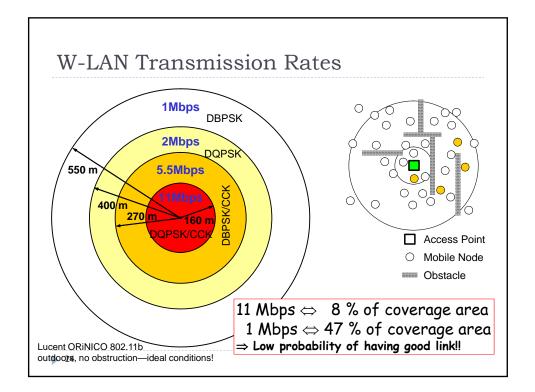


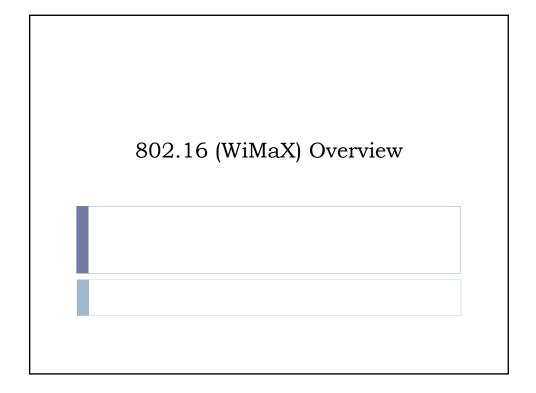


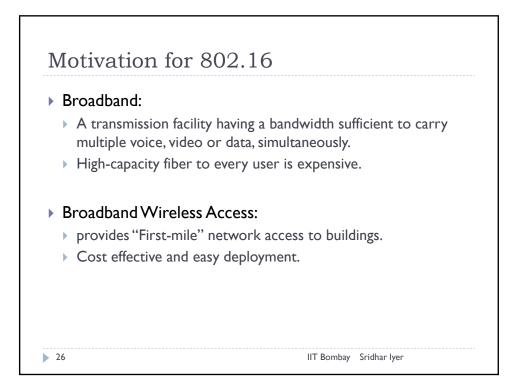


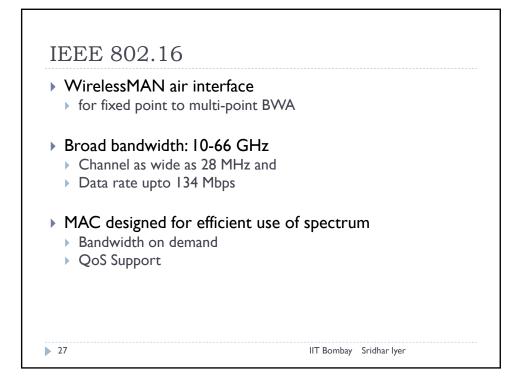


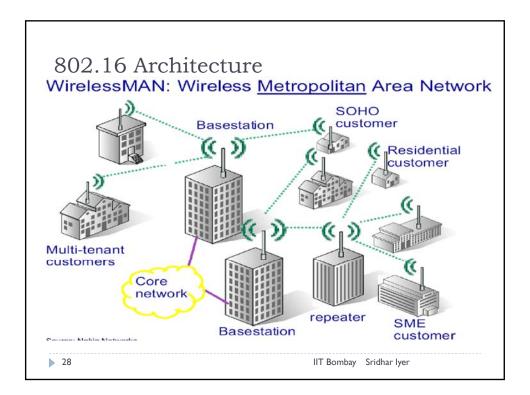












802	2.16: Summary
→ H	ligher throughput at longer ranges (up to 50 km) Better bits/second/Hz at longer ranges
► S	calable system capacity
•	Easy addition of channels maximizes cell capacity
•	Flexible channel bandwidths accommodate allocations for <u>both licensed</u> <u>and license-exempt</u> spectrums
► C	overage
•	Standards-based mesh and smart antenna support
	Adaptive modulation enables tradeoff of bandwidth for range
► Q	uality of Service
•	Grant / request MAC supports voice and video
•	Differentiated service levels: E1/T1 for business, best effort for residential
29	IIT Bombay Sridhar Iyer

