30.7.2020

MARCH

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FEBRUARY 2014

CSE 435 ADVANCED COMPUTER NETWORKS

taught by:
prof. Sujit gujar , prof. shatrunjay rawat

course topics:

- review of networking basics
- queuing theory
- advanced topics in IPv4 and TCP
- telecom networks
- switching techniques
- multicast routing protocols
- IPv6
- IPv4 to IPv6
- QoS
- network monitoring - SNMP, RMON, VLAN, VPN
- firewall ands IPS concepts
- network redundancy

2014

- load balancers

- caching

- storage networks

- VSAT, GSM / CDMA / WiMAX

- ad-hoc networks

- sensor networks

- network simulation

TEXTBOOKS

- RFCs and standards documents

- communication networking - an analytical approach; anurag-manjunath-joy

- probabilistic modelling by isi mitrani

- TCP / IP illustrated (vol-1,2) ; stevens

- data networks ; bertsekas - gallager

- an engineering approach to computer networking ; s keshav