**CS6352**

**COMPUTER COMMUNICATIONS AND NETWORKING**

**Credit 4**

**Syllabus**

Network structures – Network Architecture – OSI model – LAN protocols – IEEE standard 802 – Ethernet – Token Bus and Token Ring – Error Detection and Correction – Sliding Window protocols – Routing algorithms – Congestion control algorithms – Internetworking – Network Layer in Internet IP – Transport Layer in Internet – UDP, TCP – Remote Procedure Call – Implementation and semantics of RPC – E-mail Protocol and File Transfer Protocol.

**Reading:**

1. A. S Tanenbaum, Computer Networks, 4/e, PHI, 2003.

2. Larry L Peterson, Bruce S Davis, Computer Networks, 5/e, Elsevier, 2012.

3. [**Data Communications and Networking**](https://www.amazon.in/gp/product/1259064751/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1)**, Forouzan**