

# School of Engineering

# Department of Computer Science & Engineering

Branch: B.Tech, CSE Subject: Computer Networks

Year: II-I Sem, A.Y 2023-24 Subject Code: MR22-1CS0145

**Assignment-1**

**UNIT-I INTRODUCTION TO COMPUTER NETWORKS**

1. Define Network and explain the categories of networks?
2. a) Explain about the unguided transmission Media in computer networks?
   1. Explain about ISO/OSI Reference Model?
3. a) Explain about Protocol stack of TCP/IP with proper diagrams.
   1. Discuss about similarities and difference between TCP/IP and OSI Reference Model?
4. a) Discuss about mechanism of following devices:

i) Hub ii) Bridge iii) Router iv) Gateway

* 1. Discuss about internet-based applications?

1. Explain about the Guided transmission Media in computer networks?