



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### LIST OF EXPERIMENTS

PROG, BRANCH,	<b>B. E., E. C. E</b>
YEAR/ SEMESTER, SECTION	<b>III / V, -</b>
SUBJECT	<b>17ECCC88_ DATA COMMUNICATION NETWORKING LAB</b>
ACADEMIC YEAR	<b>2021-2022 (ODD SEMESTER)</b>

1. Study of serial data Communication between two computers
2. Study of Parallel data Communication between two computers.
3. Study of Network Topologies – Star, Bus & Ring
4. Implementation of stop and wait protocol using simulator.
5. Implementation of Sliding window protocol using simulator.
6. Implementation of Go-Back N protocol using simulator.
7. Implementation of Selective Repeat protocol using simulator
8. Study the performance of the network with CSMA/ CD protocol
9. Study the performance of the network with CSMA/ CA protocol
10. Implementation of routing algorithm
  - a. Distance vector Routing Algorithm
  - b. Link State Routing Algorithm
11. Encryption and Decryption
12. Study of Ethernets and Fast Ethernets

**HOD/ ECE**