



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956)

Coimbatore - 641021.

(For the candidates admitted from 2016 onwards)

Department of Computer Science, Applications & Information Technology

SUBJECT : NETWORK PROGRAMMING PRACTICAL

SEMESTER : V

L T P C

SUBJECT CODE: 16CSU511B CLASS : III B.Sc .CS A & B

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COURSE OBJECTIVE

1. To implement network routing algorithms,
2. To understand the working of the protocols.
3. To understand the error detecting algorithms.
4. To understand the shortest path routing algorithms.

COURSE OUTCOME

Students who complete this course should be able to

1. Use network programming concepts to develop and implement distributed applications.
2. Develop and implement next generation protocols required for emerging applications.
3. Model and evaluate performance of networking systems.

PROGRAM LIST

1. Simulate Cyclic Redundancy Check (CRC) error detection algorithm for noisy channel.
2. Simulate and implement stop and wait protocol for noisy channel.
3. Simulate and implement go back n sliding window protocol.

4. Simulate and implement selective repeat sliding window protocol.
5. Simulate and implement distance vector routing algorithm
6. Simulate and implement Dijkstra algorithm for shortest path routing.