18ECC303J – COMPUTER COMMUNICATION NETWORKS LABORATORY

Semester – VI

Year: 2023-24 (Even)

Name: YAZHINI R

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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Kattankulathur, Chengalpattu District – 603 203.**

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**BONAFIDE CERTIFICATE**

# Register No:RA2111004010243

Certified to be the bonafide record of work done by YAZHINI R of Third Year / VI Semester B.Tech degree course in **18ECC303J - COMPUTER COMMUNICATION AND NETWORKS** in **SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**, Kattankulathur during the Academic year **2023-2024 (Even Semester).**

**Date: Faculty In-charge**

**Place**

**Year Coordinator**

**Submitted for University Practical Examinations held in Networking Lab (TP1108) Tech Park, SRMIST, Kattankulathur on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Date: Examiner-1 Examiner-2**

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| **S. No** | **Experiment Name** | **Page No.** | **Marks**  **(40)** |
| **1** | Simulation of CSMA/CD protocol and to study its performance |  |  |
| **2** | Simulation of token bus protocol and to study its performance |  |  |
| **3** | Simulation of token ring protocol and to study its performance |  |  |
| **4** | Simulation of CSMA/CA protocol and to study its performance |  |  |
| **5** | Implementation and study of stop and wait protocols with and without BER |  |  |
| **6** | Implementation and study of Go back N protocols with and without BER |  |  |
| **7** | Implementation and study of Selective Repeat protocol with and without BER |  |  |
| **8** | Implementation of a network using distance vector routing protocol |  |  |
| **9** | Implementation of a network using link state routing protocol |  |  |
| **10** | Creation of a socket (TCP&UDP) between two computers to enable file transfer |  |  |
| **11** | Mini Project – Implementation of RC4 Cryptography Algorithm |  |  |

**Faculty In-charge**