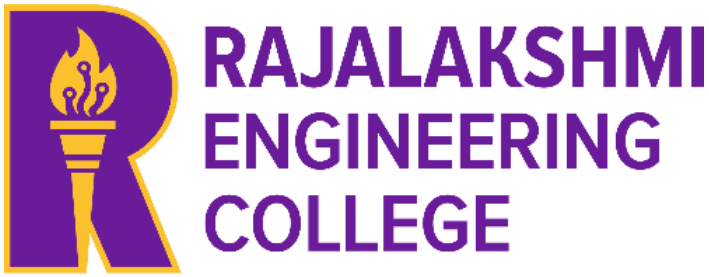
# RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105




## Laboratory Record Note Book

Name: . . . . . .

Year / Branch / Section: . . . . . .

University Register No.: . . . . . .

College Roll No.: . . . . . .

Semester: . . . . . .

Academic Year: . . . . . .

# RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105

## BONAFIDE CERTIFICATE

Name: _____

Academic Year:_____ Semester:_____Branch:_____

Register No: | |

Certified that this is the bonafide record of work done by the above student in the **CS23532 – COMPUTER NETWORKS** Laboratory during the year **2025 - 2026**

Signature of Faculty in-charge

Submitted for the Practical Examination held on .....

Internal Examiner External Examiner

INDEX

| S.NO | DATE | TITLE | QR CODE | SIGN |
|---|---|---|---|---|
| 01 | | **Study of various Network commands used in Linux and Windows:** | | |
| 02 | | **Study of Network cables.** | | |
| 03 | | **Experiments on CISCO PACKET TRACER (Simulation Tool):** | | |
| 04 | | **Setup and configure a LAN (Local area network) using a Switch and Ethernet cables in your lab.** | | |
| 05 | | **Experiments on Packet capture tool: Wireshark** | | |
| 06 | | **Error Correction at Data Link Layer:** | | |
| 07 | | **Flow control at Data Link Layer:** | | |
| 08 | | **NMAP to Discover Live Hosts Using Nmap Scans (ARP, ICMP, TCP/UDP) on the TryHackMe Platform** | | |
| 09 | | **Implementation of SUBNETTING in CISCO PACKET TRACER simulator.** | | |

| | | | | |
|---|---|---|---|---|
| 10 | | **Internetworking with routers in CISCO PACKET TRACER simulator.** | | |
| 11 | | **Routing at Network Layer:** | | |
| 12 | | **End –End Communication at Transport Layer** | | |
| 13 | | **Implement your own ping program.** | | |
| 14 | | **Write a code using RAW sockets to implement packet sniffing.** | | |
| 15 | | **Analyze various types of servers using Webalizer tool.** | | |