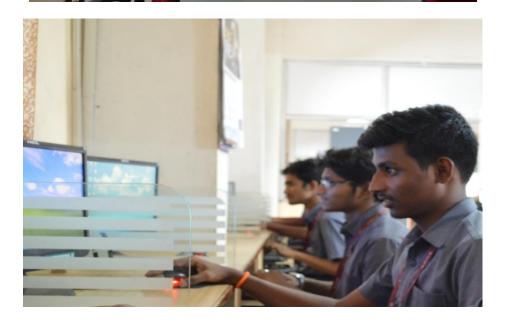# K. RAMAKRISHNAN COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to Anna University)Tiruchirappalli – 621 112
Accredited by NAAC with 'A' Grade- ISO 9001: 2015 Certified Institution

COMPUTER NETWORKS LABORATORY

Laboratory In- charge: Mr. R. Balamurugan AP/ECE

Technical supporting staff: Ms. A. Ramya Krishnan

Snapshot of computer networks laboratory

Area of the laboratory: 97.36 Sq.m

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Major Equipment:

- Personal Computers
- Cisco Packet Tracer
- LSIM
- NSIM
- Turbo C
- LAN Trainer kit
- Tel Net

List of Experiments:

- Implementation of Error Detection / Error Correction Techniques
- Implementation of Stop and Wait Protocol and sliding window
- Implementation and study of Goback-N and selective repeat protocols
- Implementation of HDLC
- Study of socket programming and client – server model,
- Socket programming for Echo/Ping/Talk Commands
- Study the performance of network with CSMA/CA protocol and compare with CSMA/CD
- Create network topology – star, bus and ring
- Implementation of distance vector
- Implementation of link state routing algorithm
- Study of Network simulator (NS) and simulation of Congestion Control Algorithms using NS
- Encryption and Decryption

Beyond the syllabus experiments:

- Creation of Wireless Networking model using TCL Script

Utilization of the laboratory:

- Computer Networks Laboratory for III year ECE/VI sem