

N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY
(AUTONOMOUS)

Department of Computer Science and Engineering

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SEMINAR ON CISCO PACKET TRACER

The IEEE Student Branch of NBKRIST successfully organized a one-day seminar titled "**Exploring Internet with Cisco Packet Tracer**" on 22nd March 2025 at Seminar Hall 2, New CSE Block.

The seminar began promptly at 9:00 AM, marked by the esteemed presence of our Director, **Dr. V. Vijay Kumar Reddy Sir**, whose motivating address set the stage for the day. Sir spoke passionately about how he continues to grow alongside evolving technologies and emphasized the increasing significance of Artificial Intelligence in shaping the future.



Following the Director's address, **Dr. S. Suresh Babu**, IEEE SB Counsellor, conducted an insightful session on Cisco Packet Tracer, a powerful network simulation tool. He began by explaining the fundamentals of computer networking—what it is and why it is essential—before introducing key networking devices such as repeaters, hubs, switches, routers, modems, access points, and gateways. He then covered IP addressing based on classful information. Additionally, he simplified **subnetting**, demonstrating how large networks can be efficiently divided into smaller, manageable segments.



The session featured a hands-on demonstration where Dr. S. Suresh Babu Sir guided students through live network configuration using **Cisco Packet Tracer (NetAcad)**. He showed how various devices are interconnected and how data flows in a network.

A total of **110 IEEE students** from the 1st, 2nd, and 3rd years of **CSE and AI&DS** attended the seminar. The session concluded with an engaging Q&A, where students actively discussed networking technologies, career prospects, and the evolving landscape of digital communication.