



Khentawas, Farrukh Nagar, Gurugram, Haryana

Approved by: All India Council for Technical Education (AICTE), New Delhi

Affiliated to: Maharshi Dayanand University (MDU) Rohtak, Haryana

Name of the Subject: Computer Networks

Faculty Name: Dr. Megha Goyal

Innovation Practices: Interactive Coding Platforms

Students Involved: 5th Semester

Interactive coding platforms are online tools or environments that allow students to write, execute, and test code in real-time. These platforms enhance the learning experience by enabling practical, hands-on engagement with networking concepts, protocols, and architectures. These coding platforms allow students to write and test code that simulates network protocols (e.g., TCP/IP, UDP, HTTP). Students can modify and implement their own versions of network protocols, test their behavior in different network conditions.

The impact of interactive coding platforms is profound, providing students with the tools to engage deeply with both theoretical and practical aspects of networking. Through hands-on coding exercises, real-time collaboration, and exposure to real-world tools, students develop a strong foundation in network programming, problem-solving, and system design. This method of teaching not only makes the learning process more engaging and effective but also ensures students are well-prepared for the demands of the industry.

