



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Ms. R TEJASWINI** Department: **Computer Science and Engineering (Data Science)**
Regulation: **IARE - UG20** Batch: **2022-2026**
Course Name: **Computer Networks** Course Code: **AITC06**
Semester: **V** Target Value: **60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the basic concepts of data communications including the key aspects of networking and their interrelationship, packet, circuit and cell switching as internal and external operations, physical structures, types, models, and internetworking	1.60	2.20	1.7	Not Attained
CO2	Make use of different types of bit errors and the concept of bit redundancy for error detection and error correction	0.60	2.20	0.9	Not Attained
CO3	Identify the suitable design parameters and algorithms for assuring quality of service and internetworking in various internet protocols	0.90	2.20	1.2	Not Attained
CO4	Interpret transport protocols (TCP,UDP) for measuring the network performance	0.90	2.20	1.2	Not Attained
CO5	Illustrate the various protocols (FTP, SMTP,TELNET, EMAIL,WWW) and standards (DNS) in data communications among network	0.90	2.20	1.2	Not Attained
CO6	Compare various networking models (OSI, TCP/IP) in terms of design parameters and communication modes	0.90	2.20	1.2	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1: Conducted additional remedial classes on fundamental concepts of data communications and networking models. Provided concept-based assignments and short quizzes to strengthen understanding of switching techniques and network structures.

CO2: Provided extra practice problems and tutorial sessions on bit errors, redundancy, and error detection/correction techniques. Used numerical examples and problem-solving exercises during tutorials.

CO3: Organized interactive sessions and case studies on Internet protocols and Quality of Service (QoS). Assigned mini-projects or presentations on protocol design parameters and internetworking concepts.

CO4: Demonstrated TCP and UDP protocol working through simulations and practical examples. Provided lab-based exercises or network analysis tools to improve conceptual clarity on transport protocols.

CO5: Conducted seminar presentations and practical demonstrations on application layer protocols such as FTP, SMTP, TELNET, DNS, and WWW. Provided real-time examples and network configuration tasks.

CO6: Used comparative charts, diagrams, and classroom discussions to explain differences between OSI and TCP/IP models. Conduct short assessments and group discussions to reinforce the concepts.

Tejwina
Course Coordinator

Tejwina
Mentor

Sonia Samuel
Head of the Department