# INSTITUTE OF AERONAUTICAL ENGINEERING

**(Autonomous)**

Dundigal, Hyderabad - 500 043

## INFORMATION TECHNOLOGY

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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|---|---|---|---|
| Name of the faculty: | **Mr. D Rahul** | Department: | **IT** |
| Regulation: | **IARE - R16** | Batch: | **2016 - 2020** |
| Course Name: | **Computer Networks** | Course Code: | **AIT003** |
| Semester: | **IV** | Target Value: | **60% (1.8)** |

**Attainment of COs:**

| Course Outcome | | Direct attainment | Indirect attainment | Overall attainment | Observation |
|---|---|---|---|---|---|
| CO1 | Describe the functions of each layer in OSI and TCP/IP model use to communicate over a network. | 1.3 | 2.5 | 1.5 | Attainment target is not yet reached. |
| CO2 | Make use of all various Techniques of Data-link layer for implementation of point-to-point flow and error control mechanism. | 0.9 | 2.5 | 1.2 | Attainment target is not yet reached. |
| CO3 | Identify the various network layer techniques for designing subnets and supernets and analyse packet flow on basis of routing algorithms. | 0.3 | 2.6 | 0.8 | Attainment target is not yet reached. |
| CO4 | Discuss Internetworking principles and Internet protocols ( IP, IPv6 and OSPF) for connecting computers to form a computer network | 0.6 | 2.6 | 1 | Attainment target is not yet reached. |
| CO5 | Make use of common transport layer metrics used to measure network performance include latency, bandwidth, and throughput | 0 | 2.5 | 0.5 | Attainment target is not yet reached. |
| CO6 | Select client-server programming model and various application layer protocols (HTTP, SMTP, FTP and DNS) for communicate with servers and other applications. | 0.6 | 2.5 | 1 | Attainment target is not yet reached. |

**Action taken report:** (To be filled by the concerned faculty / course coordinator)

CO1: Necessary to show the real connection process like switches and Hubs for the real time learning as well for clear understanding.

CO 2: Need to improve on more working examples on data link layer and Error detection techniques for better understanding and good source of acquiring problem solving examples.

CO 3: Identifying the solutions for the critical thinking problems and providing in-depth discussion on Network layer connectivity.

CO 4: Discussion on UDP (User Datagram Protocol), TCP (Transport Control Protocol) and as well performance problems in computer networks

CO 5: Need to improve good knowledge on certain topics like client server programming and SNMP (Simple Network Management Protocol)

CO 6: Demonstrating real time examples on FTP (File Transfer Protocol), E-mail, telnet, secure shell, DNS (Domain Naming System)

D. Rahul

N. Bhaswanth

**Course Coordinator** **Mentor** **HOD**