Course: Computer Networks and Internet Protocol

Course Code: noc21-cs18

Session: 2020-21

Duration: 12 Week

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1 : Introduction to Computer Networks – History, Circuit Switching and Packet Switching
Week 2 : TCP/IP Protocol Stack – Basic Overview
Week 3 : Application Layer Services (HTTP, FTP, Email, DNS)
Week 4 : Transport Layer Primitives – Connection Establishment and Closure
Week 5 : Flow Control and Congestion Control at the Transport Layer
Week 6 : Transmission Control Protocol – Basic Features, TCP Congestion Control
Week 7 : Network Layer Primitives – IP Addressing
Week 8 : IP Routing – Intra Domain Routing Protocols, Inter Domain Routing Protocols (BGP)
Week 9 : IP Services – SNMP, ARP
Week 10 : Data Link Layer Service Primitives – Forwarding, Flow Control, Error Control
Week 11 : Media Access Control - Channel Access Protocols, Framing
Week 12 : End to End Principles of Computer Networks

List of students enrolled

1	Paritosh Ajmera
2	Aman Baheti
3	Apurv kumar
4	Shubham jain
5	Kashish Sharma