DEMYSTIFYING NETWORKING

PROF. SRIDHAR IYER
Department of Computer Science and Engineering
IIT Bombay

TYPE OF COURSE : Rerun I Elective UG/PG
COURSE DURATION : 4 weeks (26 Jul'21 - 20 Aug'21)
EXAM DATE : 26 Sep 2021

INTENDED AUDIENCE : Computer Networking

INDUSTRIES APPLICABLE TO : Networking, Security, Troubleshooting

COURSE OUTLINE :
This course will provide students with an overview of networking concepts and technologies. It is meant as a primer for non-majors, i.e., for students who don’t have networking as a core course in their curriculum. After this primer, students may choose to take other networking courses for delving deeper into specific technologies.

ABOUT INSTRUCTOR :
Prof. Sridhar Iyer is a faculty member in the Inter-Disciplinary Program in Educational Technology, and Department of Computer Science and Engineering at IIT Bombay. His current research interests include: Technology enhanced learning environments for thinking skills, Pedagogies for effective use of educational technologies, development of ICT tools for educational applications, and Computer science education research. Sridhar Iyer received his BTech, MTech and PhD from the Dept of Computer Science & Engg. at IIT Bombay..

COURSE PLAN :
Week 1: Layers of Computer Networks and Network Addressing
Week 2: Routing
Week 3: Transport and Application Layers
Week 4: Introduction to Security and Troubleshooting