



4 Courses

Fundamentals of Network  
Communication

Peer-to-Peer Protocols and  
Local Area Networks

Packet Switching Networks and  
Algorithms

TCP/IP and Advanced Topics



10/20/2019

**Muhammad Zunnurain Hussain**

has successfully completed the online, non-credit Specialization

## Computer Communications

In this Specialization, learners developed and honed essential skills in fundamental computer networking concepts and principles, apply the networking theory and design principles, verify their understandings, and build a solid foundation for creating innovations in today's Internet. It lays foundations of network architectures, protocol design principles, and TCP/IP programming skills, which are necessary to take more advanced courses in graduate study and/or technical training in the industry. The Specialization also covered basic networking knowledge and in-depth understanding of the inner-workings of computer networks and their evolution. Learners completed all the required assessments to apply their new knowledge and skills

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The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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