



# SCHOOL OF TECHNOLOGY

- Computer Networks Design Technologies
- Cybersecurity Techniques and Threat Landscape



# COMPUTER NETWORKS DESIGN TECHNOLOGIES

Trainer: Kestina Rai

## **COURSE SYNOPSIS**

Technology has become one of the most important tools in our daily life. Networks are the blood and soul of any organisation. A stable network is the biggest asset for any enterprise.

This course is specifically designed for students with an interest in the networking field. This course provides an in-depth understanding of networking and subnetting concepts, and a hands-on experience to design basic network models using a simulation tool.

Participants will gain the following by the end of the course:

- A basic understanding of computer networking
- Describe how networks function, identifying major components, function of network components, and the OSI reference model
- Describe the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP/IP
- Understand how to implement subnetting with solved examples
- Understand how to implement the concepts of VLAN's

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## **COURSE DATE**

September 2020  
22 (Tue)

# CYBERSECURITY TECHNIQUES AND THREAT LANDSCAPE

Trainer: Kestina Rai

## **COURSE SYNOPSIS**

With the advancement of technologies and an ever changing cybersecurity threat landscape, it has become vital that everyone gains a sound understanding of security. This course offers participants with knowledge on cybersecurity and its ever changing trends and an overview of hacking concepts and its types and phases. They will also be familiarised with sniffing and social engineering attacks.

Learners will be able to comprehend and acquire the following concepts during the course:

- An overview of Computer Security trends
- An overview of Hacking concepts, types and phases
- Cyber laws in different countries
- Sniffing concepts
- Social Engineering skills and threats
- Countermeasures

Humans are said to be the weakest link in cybersecurity, therefore this course aims to educate them in order to build a safe cyber culture.

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## **COURSE DATE**

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23 (Wed)