

One-week TEQIP-III sponsored Short Term Course on “**Identify the weakest link: An international STC (online) on recent attacking and defensive strategies**” organized by the Department of Computer Science and Engineering, NIT Jalandhar held from Aug 10-14, 2020.

In today’s era of huge digital transformation with high internet penetration, it’s important to keep in mind that the internet is no short of Vulnerabilities as it constantly attracts threats from all directions and devices. During these last few months of pandemic COVID-19, there is a 238% rise in attacks on banks. Such type of attacks is increasing day by day, which raises the concern of each related to his privacy and security. This course was organized to educate participants about the overview and challenges associated with the domain of security and privacy, including various trust aspects in the networks. Different attacking strategies, like attacks in networks and service violations, intrusions in Manets, collaborative attacks strategies were discussed in the detail. Further, defensive strategies and security measures against these breaches was also discussed. Defensive approaches include topics like identification and defence, moving target defence, peer to peer trusted communications, active bundles and waxed prune, etc. Apart from that latest research areas like data dissemination incorporating privacy preservation, adversarial machine learning, were also discussed along with their applications.

