

HANDS-ON TRAINING ON FOUNDATION OF CYBER SECURITY

(Self-phased Mode)



organized

by

CIT-TLC

in association with

SkillSDA®
Center for advance training

From

10th March, 2021

To

09th April, 2021

(2 hours/day)

TEACHING LEARNING CENTRE

(Under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme,

Dept. of Higher Education, MHRD, GoI)

COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Anna University)





About CIT

Coimbatore Institute of Technology (CIT), Coimbatore, is a Government Aided Autonomous Institution established in the year 1956. The Institute is approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by National Board of Accreditation (NBA), New Delhi. The institute has a reputation with service of competent, well-qualified faculty and dynamic management to set highest standards in engineering research and development. Coimbatore Institute of Technology is ranked at 90th place in NIRF Engineering Institutes 2020.

About CIT - TLC

Coimbatore Institute of Technology has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December 2017. MHRD has sanctioned grant to establish Teaching Learning Centre at Coimbatore Institute of Technology for Raising the Quality of Teaching through training, retraining, refresher and orientation programs in the domains of Academic, Research, and Management (ARM).

About SkillsDA

- ✂ SkillsDA is a unique platform that brings Academia, Industry and Skilled staff together to delight the end Customers. They are training & up skilling eco-system that caters to all stakeholders across several sectors that are in dire need of high-quality experience. SkillsDA offers training for the technical staff in collaboration with the Industry / Brand owners in line with industry specifications.
- ✂ Individuals who wish to up skill & train themselves can access SkillsDA training & certification. Customers will have access to these trained staff either directly through the SkillsDA App/Website.
- ✂ SkillsDA is an ISO 9001:2015 certified cyber security training institute.
- ✂ SkillsDA in association with ISAC has been mandated by AICTE to create capacity building of 100,000 (1 Lakh) Cyber Security Professionals.
- ✂ SkillsDA is part of the eco system with ISAC and Cyberange that has a PPP with NCIIPC and MOUs with AICTE and CERT for capacity building in cyber security as part of the Nation's Security

Cyber Security Foundation Course

The Cyber Security foundation program is well- curated to impart the basic knowledge about Cyber Security. It will skills those who pursue the program and it will explain about the knowledge expansion after the fundamentals are understood by the learner. The course is well defined in 6 modules, 30 hours of Theory with interesting context and 15 hours of Practical session of clarity, Topics and Subtopics well defined and interactive for any number of times absorption, Course available in English +5 languages and more to be added soon. The candidate will gain hands-on absolute knowledge about the fundamentals to begin a career path in Cyber Security.

Course Content

- ✂ Fundamentals of Cyber Security and different disciplines
- ✂ Types of Cyber Security threats
- ✂ Different types of Cyber Security Attacks and their applications
- ✂ Types of malware which are used to trigger Cyber Security incidents
- ✂ Basic concepts of Networking and different types of devices
- ✂ Fundamentals of network Firewall
- ✂ Different types of security controls, user authorization and encryptions and their applications
- ✂ Fundamentals of incident management, incident response, disaster mitigation and containment



LEARNING FEATURES

Self-Paced, highly interactive
Info Graphic Representation
A 360-degree non-compromising learning approach
Unique LMS with a user-friendly dashboard
Learn-Pause-Learn and retrieval features

TOOLS USED IN THIS COURSE

Kali Linux, Metasploit, Vega, Burp Suite
AWS Cloud, Azure Cloud
Veritas
IBM QRadar

Course Duration:

Total 45 Hrs (Theory 30 Hrs, Hands-on-Practice: 15 Hrs)

WHAT WILL YOU LEARN?

Fundamentals of Cyber Security

Understanding the strong fundamental of Cyber Security before getting into the core topics

Fundamentals of Networking

Learning the basics of network security across enterprises and the tools to navigate the security issues

Basics of Security Testing

Diagnose and Test the security threats and a wide range of security testing techniques.

Fundamentals of Access Management

Deep understanding of managing access to different systems and enterprises assets connected to a network as Identity and Access Management for all prevention

Fundamentals of Incident Management and Response

Fundamentals of security incident management and the knowledge to report & mitigate security incidents

Fundamentals of Security Operations

Basic understanding of common cyber security operations, widely over viewing different security tools and services as per the market

Mode of delivery & requirement

This program is conducted virtually as live interactive sessions & "LINK" will be shared through email

All participants require a Laptop/ Desktop/ Smartphone with good internet connectivity, functioning Webcam, Microphone and Headphone for attending the course

Target Participants

UG, PG, PhD students and Faculty Members

Course Fee

⌘ Actual Cost: Rs.9000.00 + 18 % GST

⌘ CIT – TLC Special Discount: Rs. 7500.00 + 18% GST per participant



REGISTRATION PROCESS

Course fee can be paid through RTGS/NEFT to the following account:

Account Name	CIT-TLC TP 2019
Account Number	6842996928
Name of the Bank & Branch name	Indian Bank, Peelamedu (CIT Campus)
IFSC Code	IDIB000S107

After payment, register through the following Google form link and upload scanned copy of Counter Foil / Screenshot of the RTGS / NEFT details on or before 03:00 PM of 05th March, 2021

Google Form Link for Registration: <https://forms.gle/Kf5kykS7pAc1K7NR9>

GENERAL INSTRUCTIONS

Maximum number of participants for this program is limited to 100 on first come first basis

All the instruction to the participants will be communicated through email on or before 06th March, 2021

E-certificate will be provided to those who attend all the sessions and quiz's

Course equivalent: 3 credit course

ORGANIZING COMMITTEE

Chief Patron	Dr.S.R.K.Prasad	Correspondent, CIT Institutions
Patrons	Mr.S.Rajiv Rangasami	Director, CIT Institutions
	Dr.R.Prabhakar	Secretary, CIT Institutions
President	Dr.V.Selladurai	Principal, CIT
Convener	Dr. V. Manikandan	Professor, EEE, CIT

PROGRAM COORDINATORS

Dr. N. Saranya & Dr. R. Jayanthi,

CIT-TLC

Email: tlcp3@cit.edu.in / tlcp2@cit.edu.in