**NDIVIDUAL COURSE DETAILS**

|  |  |
| --- | --- |
| **A.** Name of the Institute | UTL Technologies Limited |
| **B.** Name / Title of the Course | Certificate Course in Network Security  |
| **C.** Proposed dates and duration  of the Course in Weeks / Months | **Batch 01: From:** 12-11-2018 To 05-01-2019**Duration:** 8 Weeks |
| **D**. Eligibility criteria for participants **I.**  Educational | Graduates / Engineers / Diploma Holders with prior Work Experience in Computer Networks |
|  **II.**  Work Experience | Exposure to managing computer Networks is desirable. 2 years of Prior experience in Networking will be an added advantage |
|  **III.** Age Limit | Energetic professionals with a zeal and enthusiasm to learn and implement technologies |
|  **IV**. Target group (Level of participants and target ministry/department etc. may be identified) | Officials from IT Departments of all Ministries, Govt. Departments, Banks, Telecom Companies, Universities, NGOs, Colleges, ICT organizations etc. |
| **E.** Aim, Objectives of the Course | **Aim, Objective of the Course:** With Vulnerabilities & Threats all over, this course aims at preparing participants to Secure & Manage Computer Networks in various platforms like Microsoft, Linux and Cisco. Participants are also exposed to various tools to conduct the security audit of the network.This course also helps participants to take up international certification exams on security conducted by EC Council, Cisco and Microsoft |
| **F.** Course Contents (Updated Latest Curriculum) | **FUNDAMENTAL OF IT SECURITY**: Introduction to Ethical Hacking Ethics and Legality, Foot printing and Social Engineering, Scanning and Enumeration, System Hacking, Trojans, Backdoors, Virus and Worms, Sniffers, Denial of Services and Session Hijacking, Hacking Web Servers, Web Application Vulnerabilities, Wireless Hacking, Physical Security, Linux Hacking, Evading IDS Honey pots and firewalls, Cryptography, Penetration Testing Methodologies.**Windows 2016 - Security**:Overview of AD, Access Control, Exploring DNS, AD object, Group Policy, Config AD CS, Overview of PKI Deploying a CA Hierarchy, Config AD RMS, Config VPN Access, Routing and Remote Access Config IPSec, Designing Network Security, Identifying threats to Network Security and Clustering.**Cisco Security**: Securing the Router for Administrative Access, Securing Administrative Access Using AAA and RADIUS. Security Policy Development and Implementation, Using the CLI and SDM, VLAN, Securing Layer 2 Switches, configuring a Site-to-Site VPN Using Cisco IOS and SDM, Configuring a Remote Access VPN Server and Client. |
| **G.** Mode of evaluation of performance of the ITEC participant | * Formative assessment on a Weekly / Topic wise, Summative at the end of the course
* Presentations by the participants on a weekly / fortnightly basis.
* Lab experiments and scenarios to analyze the participant’s practical knowledge
 |