



Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNTT)

Shivaji University Faculty Development Centre (SUK-FDC)
Cyber security & Data Science

Organizes

Instructor-led live online

One Day National Level Faculty Development Workshop

On

Cyber Security

in Collaboration with



SKILLS FACTORY LEARNING PVT. LTD.
(NASSCOM Licensed Training Provider)



TATA Communications

Preamble:

While the world is struggling with the COVID-19 outbreak, many countries have implemented precautionary measures. Schools are being closed, communities are asked to shelter-in-place, and many organizations have enabled their employees to work remotely. Businesses are facing a huge challenge to survive and remain productive. Due to that fact most people are forced to use Digital method to do transactions like buy groceries, pay electricity bills, phone recharge, rent payment and much more. During the past few weeks, we have witnessed a major increase in cyber attacks on businesses and individuals. These attacks can able to encrypt your data and ask for a ransom, phish (lure) you to give out back account details like OTP. To help individuals and organizations, this can be achieved through a Faculty Development Program deploying a Train the Trainer model. Our aim here is to create an environment where individuals understands the threats, risks and apply respective security. Cyber Security course will also help generate interest among those with an entrepreneurial spirit to establish start-ups in cyber security products which in turn would create more employment opportunities.

**Targeted Audience for Train the Trainer Program
(Faculty Development Program):**

Faculty Members from Science and Technology, Humanities, Social Sciences, Commerce and Management disciplines from Universities, Colleges, NITs, IIITs, Engineering Colleges and other Institutions of Higher Education, any faculty member who wants to be secure on cyber space.

Prerequisites:

Faculty Members from HEIs from any discipline with basic knowledge of computers and operations of software tools

Training Technical Requirements at Participants end:

- Desktops/Laptops with Min 4GB RAM and core i3 processor
- System type must be 64 bit - hardware and installed Windows 10 OS (our software tools are not compatible with Windows 7, as it is obsolete)
- Internet connection - 4 Mbps Minimum (for downloading softwares)
- Android or Apple (iOS) Smartphone
- Headphone with Mic

Training Guidelines:

- Mode of training is instructor led through online mode, may be availed from anywhere.
- Topics are sequential; hence trainees are strongly advised to attend the training without any gap.
- Training path traversed is Conceptual Explanation >>> Case Study >>> Practical Demonstration >>> Hands On >>> Discussion >>> Applicability of Concept (Stand-alone perspective) >>> Applicability of Concept (Business Perspective) >>> Elaboration of consequences of mistakes >>> Decision Making >>> Debate on hypothetical situations >>> Exploration of Research Possibilities

Training Mode - Live Online-Classroom:

- Live Online-Classroom is a client server application for AUDIO VIDEO interactive platform for multiparty conferencing or training requirements
- It has all features required for virtual collaboration or training requirements
- Works on as low as a 128 KBPS to up to FULL HD kind of a quality
- The methodology ensures:
 - Deeper and easier understanding because of hands on
 - Better retention as the participant is able to relate the practical to real life
 - Efficient knowledge transfer as participants have experienced the practical themselves twice or thrice over.

Registration & Workshop Schedule:

- Registration on first come first serve basis. Only 50 participants on pan-India basis will be registered. Participants with geographical diversity will be selected.
- Please register by visiting our portal: <http://sangnaksuraksha.com/>
- The live online link will be shared with the selected participants through their email.
- The workshop will be conducted on 10th April 2020 from 10.30 am onwards
- The workshop will be concluded with online evaluation based on Multiple Choice Questions and the successful participants will be certified by the FDC.

Course Contents:

SL. No.	Topics	Sub-Topics	Outcome
1	Introduction to Cyber Security	Importance of Cyber Security	Participants will be able to understand fundamentals of cyber security by experiencing real life scenarios and they'd take security seriously. This can be achieved through discussing case studies.
		Privacy Vs. Security	
2	Cyber Attacks - Classification	Phishing and Anti-Phishing	Participants will be able to understand different types of cyber adversary techniques, tactics and procedures. With this information they can be able to detect and defend in coming days. This can be achieved through various challenges and practice.
		Email Scams	
		Identity Theft	
		Malware and Anti-Malware	
3	Smartphone and Payment Security	Blocking The Malicious Ads	Participants will be able to understand various methods to protect their smartphone from adversaries. This can be achieved by analyzing app behavior pattern and blocking them from damaging further more. By the end of the day they can think of security first and convenience later.
		Blocking The Trackers	
		Detecting Fake Apps	
		UPI Payment Fraud and Security	

Patrons:

- Prof. Devanand Shinde, Hon'ble Vice Chancellor
- Prof. D.T. Shirke, Hon'ble Pro-Vice-Chancellor
- Dr. Vilas Nandavadekar Registrar
- Shri V.T Patil, Finance & Accounts Officer

Course Coordinator

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