

DATE: 10/01/2021

Event Coordinator(s)

1. Dr. SaurabhPatil

2. Mr. KunalMeher

Time & Place:

04th – 09th Jan, 2021

Zoom Online

Department:

Computer Dept, XIE

No of participants:77

About FDP:

The aim of this program is to promote research aspects in internet security, familiarize with tools available for network scanning, identify and synthesize needs for internet security techniques (firewall, honeypots etc.), share information and practical awareness for data and system protection from cyber-attacks (prevent, detect and respond) etc. The FDP will start with an overview of cybersecurity aspects to help the audience understand the importance in real life scenarios. This FDP is planned into two parts: ethical hacking hands-on sessions and technical cyber security sessions. The technical session part of the FDP will focus on the most challenging contemporary issues in cybersecurity, Cyber Forensics and Cyber Crime in the real world. The hands-on session part will extend the discussion to address the practical evaluation of security tools and techniques.

Objective of FDP:

1. The aim of the course is to introduce the methodologies and framework of ethical hacking for enhancing the security.
2. The course includes-Impacts of Hacking; Information Security Models; Information Security Program; Business Perspective; Planning a Controlled Attack; Framework of Steps (Reconnaissance, Enumeration, Vulnerability Analysis, Exploitation, Deliverable and Integration)
3. Sharing information related to Recent trends and R&D on cutting edge cyber security technologies and its ecosystem.

Number of Participants Registered: 210

Number of Participants successfully completed the FDP: 77

Content and Resource persons:

1. Dr. Deven Shah, Vice-Principal, TCET
Cyber Security-Need of the Hour
2. Mr. Dayanand Ambavade, SPIT
Hands-On Network Tools and FTP, HTTP, DHCP and Firewall Configuration
3. Dr. Narandra Shekokar, HoD, D. J. Sanghvi COE
Cyber Threats and Mitigation in Smart Computing
4. Mr. Suresh Menon, Leonis Consultancy LLP
Cyber security / sensitisation crimes, Zero Trust, Cyber Laws
5. Mr. Shiv Kumar Ramgiri, Sr. Manager, HDFC Bank LTD
Digital Banking Frauds and Secure Banking Tips
6. Dr. Thomas Schwarz, Marquette University, USA
Cyber Forensics Tools
7. Mr. John D'Annunzio, CRS
Recent Trend and Research Directions
8. Dr. Saurabh Patil, HoD, Comp. Dept, XIE
Website Phishing Attacks, Email Spoofing, Password Cracking
9. Mr. Kunal Meher, Comp. Dept, XIE
Exploiting Windows & Android OS, MITM Attack

Mr. KunalMeher
Coordinator

Dr. SaurabhPatil
Convener

Dr. Y. D. Venkatesh
Principal

Images (if Any)

Zoom Meeting

Recording

AutoSave Xaviers seminar

Fr. Dr. John Ros... Sudhir Dhekane Bro. Jose T1mgr...

Kunal deven shah Dr. Saurabh... Dr. Deven Shah

File Home Insert Draw Design Transitions Animations Slide Show Review View Help Acrobat

N/W → Information → Cyber Security

- 80 /20 to 20 /80
- N/W resources : AD File Server : Protection of Data
- Authentication and Authorization
- Cyber : Mainly from outside : Start with DMZ , cloud , IOT, Critical National Infrastructure - Deception is a main step (Honey Pot)

Slide 3 of 12

10:25 AM 1/4/2021

Zoom Meeting

Recording...

St. Xavier's Tech... Dr. Narendra Sh... Kunal Meher

purnendu Joe N

Protocol Stack

- **6LoWPAN** : IPv6 over Low-Power Wireless Personal Area Network (6LoWPAN) is a low cost and low power communication network which connects resource constrained wireless devices, typically wireless sensors or actuators, using compressed Internet Protocol version 6 (IPv6).

Conventional Internet

6BR

6LoWPAN

9 Cyber Threats and Mitigation in Smart Computing. 1/6/2021

Chat

From SUNIT KUMAR to Me: (Privately) good afternoon sir

From purnendu to Everyone: I think MQTT uses TCP With IPv6 the header size increases then how does constrain network deals with that? RPL don't uses security as range is less...

From Dr. Yusuf Perwej to Everyone: ok

From Dr. Yusuf Perwej to Everyone: informative

From lydia fernandes to Everyone: indeed Yusuf sir, lot of information

From purnendu to Everyone: Which simulation tool is used to create network and attack or you are creating real IoT network and then performing attack sir?

From Me to Everyone: Session 6 Attendance and Feedback - <https://forms.gle/1A75FvviAyThTyrEZ>

From Martina D'souza to Everyone: WE have known signature

From Galaxy A30 to Everyone: 1 new message ↓

To: Everyone ↓ File ...

Type message here...

3:59 PM 1/6/2021