# PSN ENGINEERING COLLEGE

Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.
(Approved by AICTE and Affiliated to Anna University)
An ISO 9001 : 2015 Certified Institution
Website : www.psnec.ac.in  Email : principal@psnec.ac.in
☎ 04634-279078, 279079   Fax : 04634-279078

ISO 9001 : 2015

Lr: No:-PSNEC/2022-2023/CSE/ FDP /PL-01                   Date: 15.3.2023

## PERMISSION LETTER

**Respected Sir,**

Association of CSE to conduct a Faculty program on **"DEVELOPMENT PROGRAM ON CYBER SECURITY"** for the Faculty of CSE from **27.03.2023 to 01.04.2023(5 Days).**

Kindly provide your valuable permission for conducting the **FDP** on the above said date.
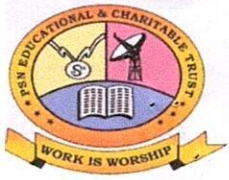
.

.

Thanking you,

_15/3/23_

**HOD**
**Department of CSE**

Head of the Department
Department of Computer science and
Engineering
PSN Engineering College-
Tirunelveli-627152

**PRINCIPAL**

Dr. M.S. RAVIKUMAR
Principal
PSN ENGINEERING COLLEGE
Melathediyoor, Palayamkottai
Tirunelveli - 627 152

Lr:No:-PSNEC/2022-2023 / CSE/ FDP /CR-01                    Date : 21.03.2023

## CIRCULAR

It is informed with great pleasure that the Association of CSE is organizing **a Five day Faculty development program on "DEVELOPMENT PROGRAM ON CYBER SECURITY"** from **27.03.2023 to 01.04.2023**.

The Faculty is asked to make their active participation on the FDP.

PRINCIPAL

Dr. M.S. RAVIKUMAR
Principal
PSN ENGINEERING COLLEGE
Melathediyoor, Palayamko
Tirunelveli - 627

CC TO

1. Director
2. Director (IQAC)
3. All Department HOD's
4. Physical Director
5. Library
6. Warden

## Department Of Computer Science And Engineering FDP-
## Report

**Title:** Faculty Development program on Cyber Security

**Category:** Faculty Development

**Program Date:** 27.03.2023 to 01.04.2023

**No. of Resource Person: 4**

**No. of Participants: 70**

**Organizers:** Department of Computer Science and Engineering

**Resource Persons:**

➤ **Mr.K.Bala Karthick** (Professor, Dept.of Computer Science and Engineering,PSNITS AnnaUniversity)

➤ **Ms.M.Anitha**(Associate Professor, Dept.of . Computer Science and Engineering /PSNEC,Anna university )

➤ **Mrs.Tharik Nazeem**(AP/,Dept.of Computer Science and Engineering,PSNEC ,Anna university )

➤ **Ms.P.Vajila**(AP/Dept of Computer Science and Engineering /PSNEC,Anna university )
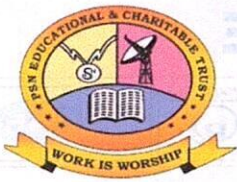
**Objective:**

The objective of the FDP is the goal of cyber security is to ensure secure storage, control access and prevent unauthorized processing, transfer, or deletion of data. It safeguards the confidentiality, integrity, and availability of information.

**Report:**

The National Level Online Faculty Development Program was organized for five days (27.03.2023 to 01.04.2023 MAR 2023)

**Day 1:**

Program began with Inaugural address by **Dr.M.S.Ravikumar** (Principal/PSN Engineering College), followed by Welcome address by **Dr.N.Prabhu** (Director/PSN Engineering College). Introduction to the Chief Guest was given by **Ms.M.Anitha** (HoD, Computer science Engineering/ PSN Engineering College). The Chief Guest was **Mr.K.BalaKarthick** (Professor, Dept of Computer Engineering /PSNITS).He spoke about the cyber security has become a major concern to

# PSN ENGINEERING COLLEGE
Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.
(Approved by AICTE and Affiliated to Anna University)
An ISO 9001 : 2015 Certified Institution
Website : www.psnec.ac.in Email : principal@psnec.ac.in
04634-279078, 279079 Fax : 04634-279078

ISO 9001 : 2015

organizations throughout the world. The fact that the information and tools & technologies needed to penetrate the security of corporate organization networks are widely available has increased that security concern. Today, the fundamental problem is that much of the security technology aims to keep the attacker out, and when that fails, the defenses have failed. Every organization that uses internet needed security technologies to cover the three primary control types - preventive, detective, and corrective as well as provide auditing and reporting. Most security is based on one of these types of things: something we have (like a key or an ID card), something we know (like a PIN or a password), or something we are (like a fingerprint).
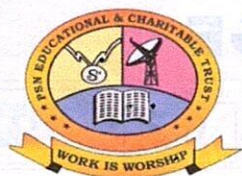
.The session ended by the participants enthusiastically asked questions/doubts to the Chief Guest.



**Mr.K.Bala Karthick (Professor,Dept.of computer engineering ,PSNITS AnnaUniversity)
handling a session in FDP on 27.03.2023**

### Day2:

Program began with introduction to the Chief Guest by Mrs.Tharik Nazeem (Computer Science and Engineering and /PSN Engineering College).The Chief Guest was Mr.K.Bala Karthick (Professor, Dept. of Computer science and Engineering/PSNITS). He spoke about the Tools protecting our IT environment is very critical. Every organization needs to take cyber security very seriously. There are numbers of hacking attacks which affecting businesses of all sizes. Hackers, malware, viruses are some of the real security threats in the virtual world. It is essential that every company is aware of the dangerous security attacks and it is necessary to keep them secure. There are many different aspects of the cyber defense may need to be considered. Here are six essential tools and services that every organization needs to consider to ensure their cyber security is as strong as possible. The session ended by the participants enthusiastically asked questions/doubts to the Chief Guest.

# PSN ENGINEERING COLLEGE

Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.

**(Approved by AICTE and Affiliated to Anna University)**

**An ISO 9001 : 2015 Certified Institution**

Website : www.psnec.ac.in  Email : principal@psnec.ac.in

☎ 04634-279078, 279079   Fax : 04634-279078

ISO 9001 : 2015

**Ms.M.Anitha(Associate Professor,Dept.of CSE /PSNEC,Anna university ) handling a session in FDP on 28.03.2023**
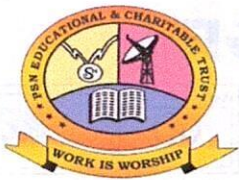
## Day3:

Program began with introduction to the Chief Guest by **Prof.P.Vajila** (AP/Computer Science and Engineering / PSN Engineering College).The Chief Guest was **Mrs.Tharik Nazeem** (AP/CSE, Dept. of Computer science and Engineering /PSNEC) .He spoke about the various types of attacks A cyber-attack is an exploitation of computer systems and networks. It uses malicious code to alter computer code, logic or data and lead to cybercrimes, such as information and identity theft.

We are living in a digital era. Now a day, most of the people use computer and internet. Due to the dependency on digital things, the illegal computer activity is growing and changing like any type of crime.

The session ended by the participants enthusiastically asked questions/doubts to the Chief Guest.



**Mrs.A.Tharik Nazeem (AP/Dept.of CSE,PSNEC ,Anna university handling a session in FDP on 29.03.2023**

# PSN ENGINEERING COLLEGE

Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.
(Approved by AICTE and Affiliated to Anna University)
An ISO 9001 : 2015 Certified Institution
Website : www.psnec.ac.in  Email : principal@psnec.ac.in
☎ 04634-279078, 279079  Fax : 04634-279078

ISO 9001 : 2015

**DAY 4:**

She spoke about the how to using E –Commerce platform in cyber security

E-Commerce refers to the activity of buying and selling things over the internet. Simply, it refers to the commercial transactions which are conducted online. E-commerce can be drawn on many technologies such as mobile commerce, Internet marketing, online transaction processing, electronic funds transfer, supply chain management, electronic data interchange (EDI), inventory management systems, and automated data collection systems.

E-commerce threat is occurring by using the internet for unfair means with the intention of stealing, fraud and security breach. There are various types of e-commerce threats. Some are accidental, some are purposeful, and some of them are due to human error. The most common security threats are an electronic payments system, e-cash, data misuse, credit/debit card frauds, etc.
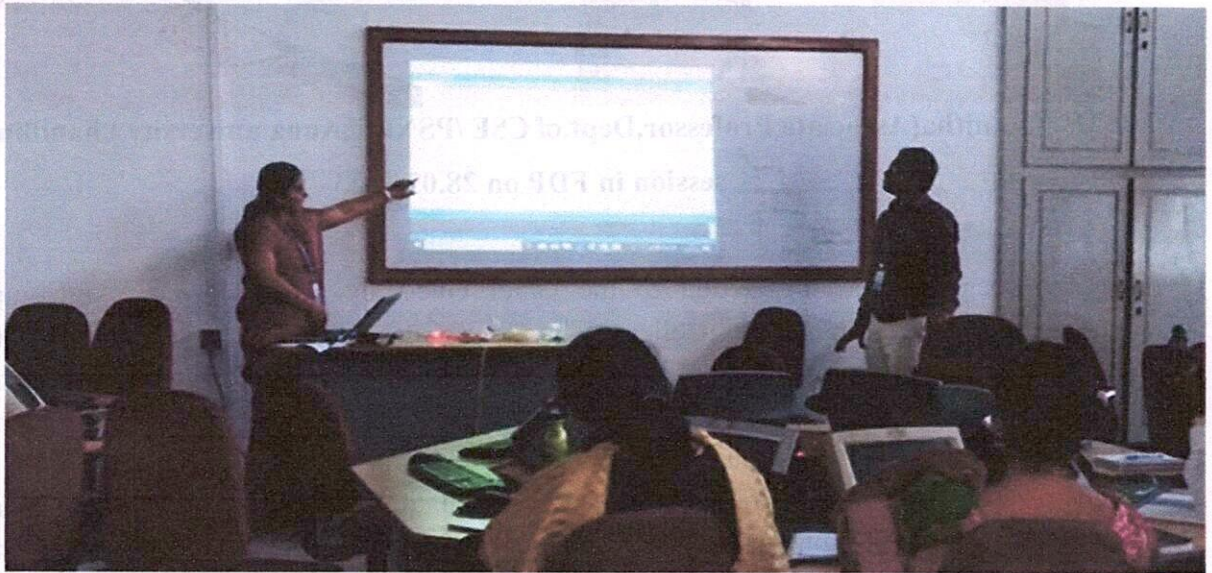


**Ms.P.Vajila(AP/Dept of CSE / ,PSNEC,Anna university) handling a session in FDP on 30.03.2023**

**Day 5 :**

At the end of the day participant's how different security measures can be used while using any web browser

While handling the mobile .after session **Ms.P.Vajila** conducted the online test based in 5 based days .very Good Suggestions she has received from the participants' like

➢ Online test should be conducted at each of the day
➢ Identified the problems and challenges of cyber security
➢ Understood the methods and tools

This was evident in the quality of questions asked to the speakers and feedback given by the participants.
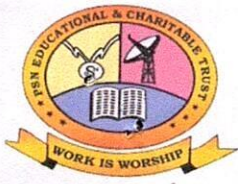
# PSN ENGINEERING COLLEGE

Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.
(Approved by AICTE and Affiliated to Anna University)
An ISO 9001 : 2015 Certified Institution
Website : www.psnec.ac.in  Email : principal@psnec.ac.in
☎ 04634-279078, 279079  Fax : 04634-279078

**Outcomes:**

➢ After attending the FDP the participants understanding how to protect and defend computer systems and network from cyber security attacks

➢ Analyze and evaluate the cyber security needs of an organization

➢ Implement cyber security solutions and use of cyber security

➢ Measure the performance and troubleshoot cyber security systems
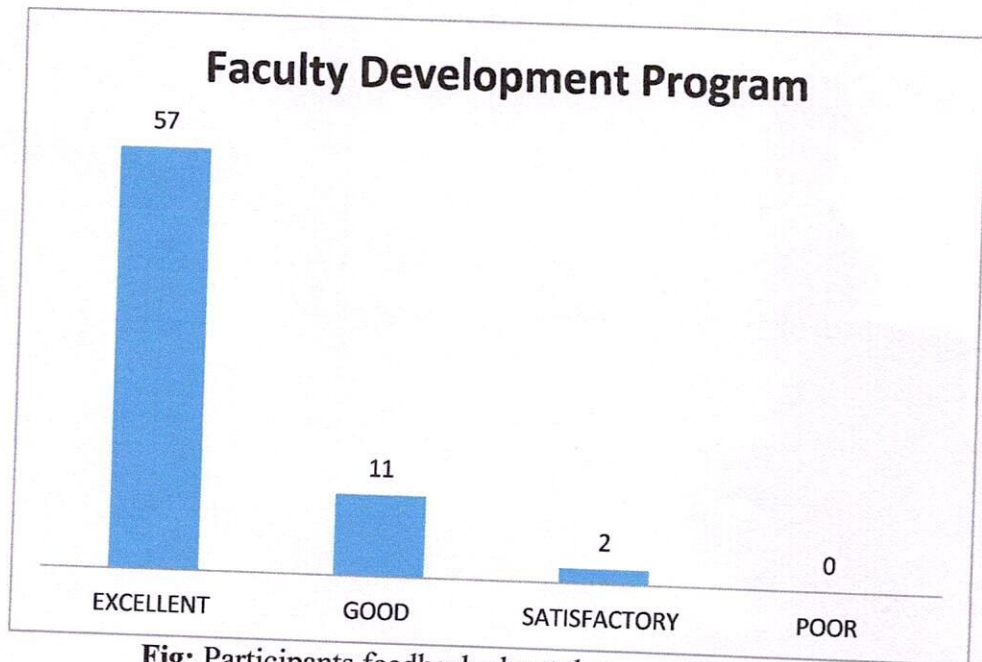
**Feedback Analysis:**



**Faculty Development Program**

| EXCELLENT | GOOD | SATISFACTORY | POOR |
|-----------|------|--------------|------|
| 57 | 11 | 2 | 0 |

**Fig:** Participants feedback about the program

**Conclusion:**

From the feedback obtained from the participants it is understood that the participants felt the above program is informative.

In charge     HOD     Director     Principal
(IQAC)

Head of the Department
Department of Computer science and Engineering
PSN Engineering College-
Tirunelveli-627152

Dr. G. Satish Pandian
Professor of Mech & Auto
Director - IQAC
PSN Engineering College,
Tirunelveli 627152

Dr. M.S. RAVIKUMAR
Principal
PSN ENGINEERING COLLE
Melathediyoor, Palava
Tirunelveli -