



Event Report

Title of the event: Workshop on "*Linux Server Configuration and Networking*"

Event Date/Time: 02/04/2026, 11:00 AM – 1:00 PM

Event Coordinators: Prof. Smita Pawar

Student Coordinator: Mr. Rudra Gupta

Details of Resource Person: Aaron Johns

No. of Participants: 50

Class/Semester: TE EXTC / VI

Venue: Computer Centre, 1st Floor, XIE

Objectives:

- To understand networking protocols and Linux server configuration
- To provide hands-on experience with server-client setup
- To learn secure communication using SSH and file transfer using FTP
- To familiarize students with DHCP, Apache, and Samba servers

Description: In collaboration with IEEE & IIC-XIE Innovation Cell

The workshop on "*Linux Server Configuration and Networking*" was successfully conducted under the initiatives of IEEE and the Institution's Innovation Council (IIC-XIE). The session was led by Aaron Johns, Faculty at St. Xavier's College, Fort, Mumbai, who shared his expertise in Linux systems, networking protocols, and server administration. The workshop aimed to provide students with a comprehensive understanding of practical networking concepts and real-world system configuration.

The session commenced with an introduction to Linux and its importance in modern computing environments. The resource person explained the role of Linux in system administration, networking, cybersecurity, and cloud-based applications. Students were introduced to the Linux interface, basic commands, and the significance of open-source technologies in the IT industry.

A major highlight of the workshop was its hands-on and interactive approach. Students were guided step-by-step to build and configure a Telnet server and client in Red Hat Linux. They also performed connection testing to understand how remote communication works between systems. This helped them gain clarity on client-server architecture and communication protocols.

The workshop further covered the setup and configuration of FTP server and client. Students learned how files can be transferred efficiently between systems in a network. The importance of secure file transfer and proper configuration techniques was also discussed during the session.

In addition, the resource person demonstrated the configuration of SSH using PuTTY, emphasizing secure remote access and encrypted communication. Students understood how SSH provides a safer alternative to Telnet and ensures data security during transmission.



The session also included an overview and practical demonstration of important servers such as DHCP, Apache, and Samba in Ubuntu. The working of DHCP in automatic IP address allocation was explained clearly. The Apache server setup helped students understand basic web hosting concepts, while Samba server configuration demonstrated file sharing across different systems in a network environment.

Throughout the session, students actively participated and performed tasks in real-time, which enhanced their practical understanding. The resource person addressed common challenges faced during

configuration and provided troubleshooting techniques along with best practices to follow in real-world scenarios.

Overall, the workshop proved to be highly informative and engaging, equipping students with essential skills in Linux-based networking and server management. The session successfully bridged the gap between theoretical knowledge and practical implementation. Students also gained valuable hands-on experience by actively performing server configurations and testing connections in real-time, which enhanced their understanding and confidence in applying these concepts in practical scenarios.

LOs Achieved: CO1, CO2, CO3, CO4, CO5, CO6

POs Achieved: PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12

PSOs Achieved: PSO1, PSO2

Event Coordinator

Prof. Smita Pawar, Faculty

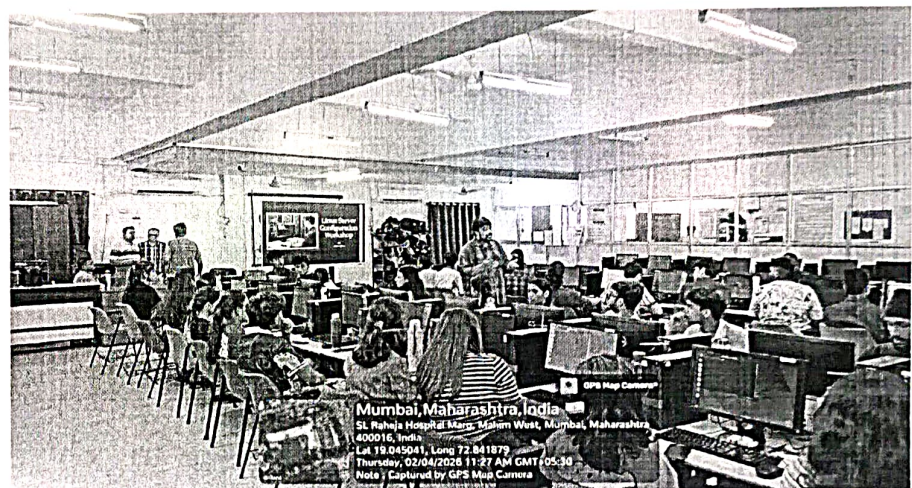
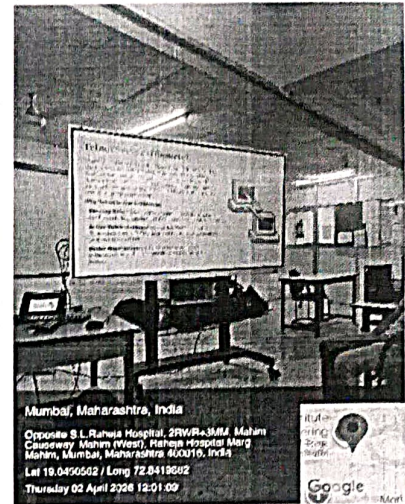
Department of EXTC
Xavier Institute of Engineering

HoD

Dr. Nitin Ahire

Department of EXTC
Xavier Institute of Engineering

Glimpse of the Event

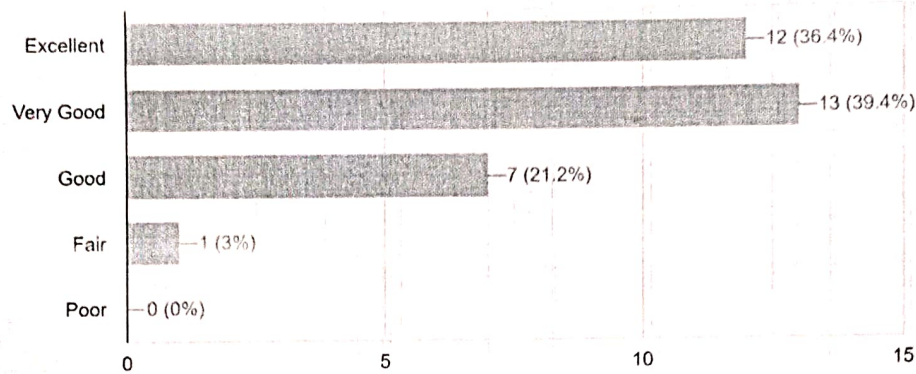




Feedback

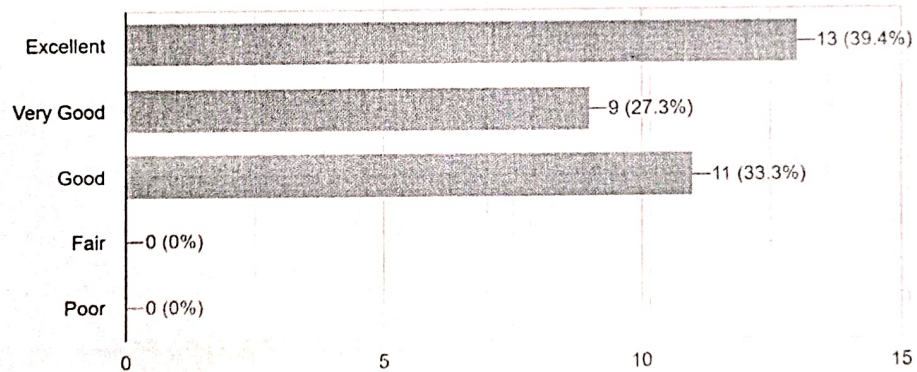
How was the overall organization of the workshop?

0 / 33 correct responses



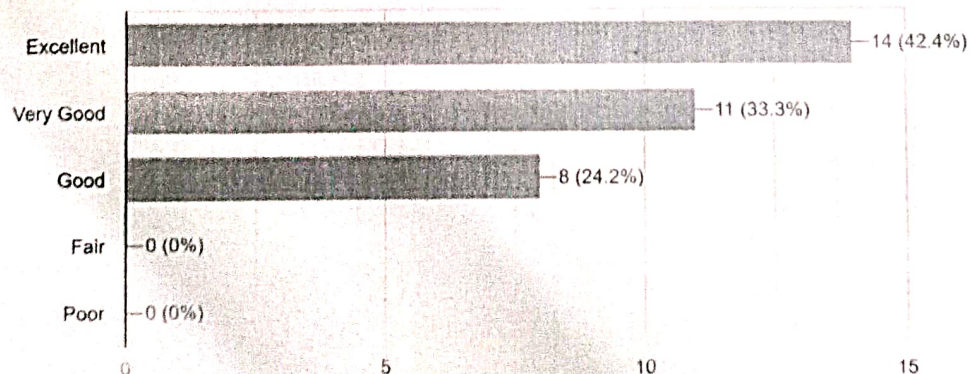
Are you satisfied with the time and venue/platform?

0 / 33 correct responses



How relevant was the content discussed by the speaker?

0 / 33 correct responses





XAVIER INSTITUTE OF ENGINEERING

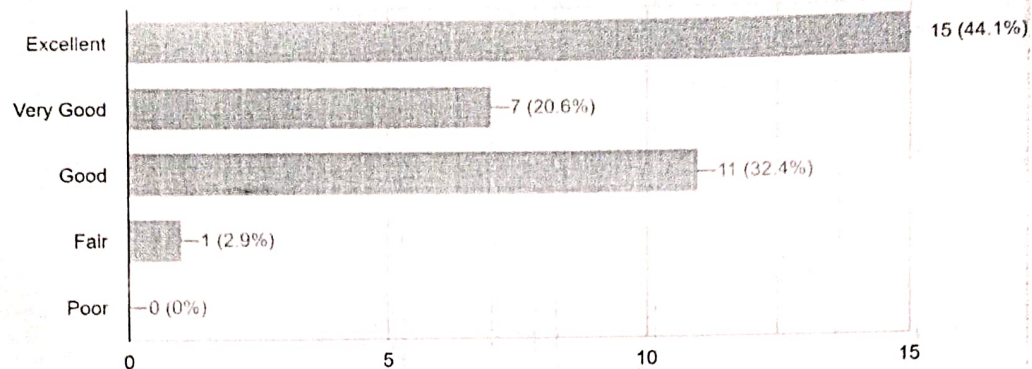
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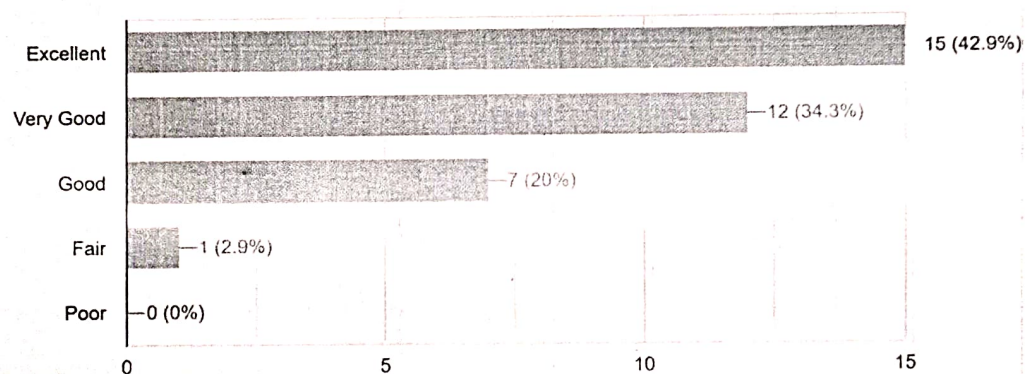
How much interesting this session was for you?

0 / 34 correct responses



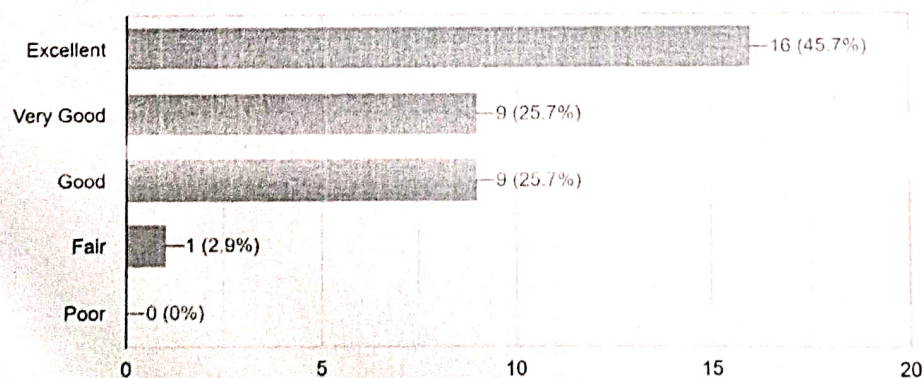
Did the Workshop cover what you were expecting?

0 / 35 correct responses



How much this session was useful from the knowledge and information point of view

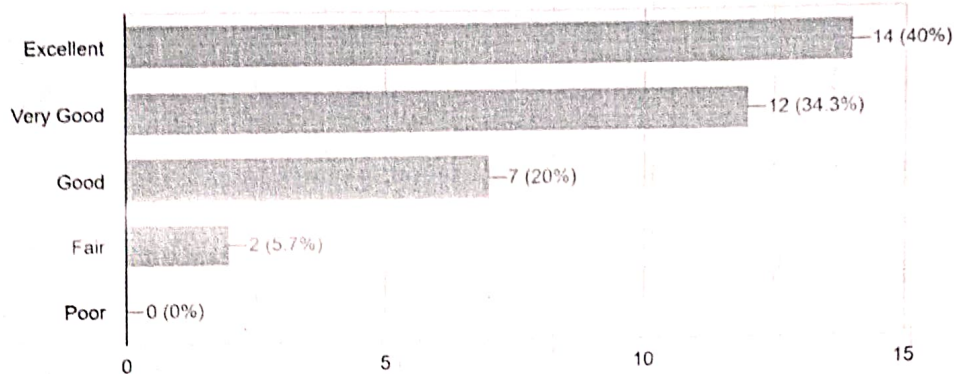
0 / 35 correct responses





Overall effectiveness of the session

0 / 35 correct responses



What did you like the most about the session?

12 responses

Explanation

Good speaker

Hands on session

Good session information about fedora

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The practical demonstration of server configuration and hands-on learning experience.

the future scope of the information presented

Hands on practice

Explained every concept very nicely

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TECHNICAL WORKSHOP SERIES

(Organized under IEEE & IIC Initiatives)

Session for TE-EXTC

RESOURCE PERSON

Aaron Johns

Faculty

St. Xavier's College, Fort, Mumbai



WORKSHOP TOPICS

Build & Configure Telnet Server & Client

- Red Hat Linux + Connection Testing

Setup FTP Server & Client

- File Transfer Configuration

Configure SSH using PuTTY

- Secure Remote Access

Overview & Setup of:

- DHCP Server
- Apache Server
- Samba Server (Ubuntu + Client Testing)

VENUE : Computer Center (1st floor)

 DATE : 2nd April 2026
11 AM to 1 PM

DHCP Server

Apache Server

Samba Server

(Ubuntu + Client Testing)

Faculty Co-Ordinator:
Prof. Smita Pawar

Student Co-Ordinator:
Rudra Gupta

IEEE Student Chapter Chairperson

From Commands to Control — Master Linux Networking like a Pro.