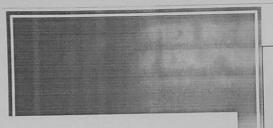


# AN EXPERT Lecture on "PASSIVE OPTICAL Networks"

DATE: 02/09/2021



# Event Coordinator(s)

Prof. Shailaja Udtewar

# Time & Place:

02<sup>nd</sup> September 2021

10:30 to 11:30 am

Google Meet

## Department:

Electronics and Telecommunication



## No. of participant:

40 Students

BE EXTC

## **OBJECTIVE:**

Electronics and Telecommunication department had organized an expert lecture on "Passive Optical Networks" for Final year students under the subject optical communication System by Prof. Shailaja Udtewar. This lecture was arranged so that students will have a glimpse of different architectures and approaches for next generation optical networks. The benefits and challenges of each approach and real time life use cases will be explored.

#### SCOPE:

This lecture was arranged for final year EXTC students to make the students aware that a Passive Optical Network (PON) is a fiber-optic network utilizing a point-to-multipoint topology and optical splitters to deliver data from a single transmission point to multiple user endpoints. Passive, in this context, refers to the unpowered condition of the fiber and splitting/combining components.

In contrast to an active optical network, electrical power is only required at the send and receive points, making a PON inherently efficient from an operation cost standpoint. Passive optical networks are used to simultaneously transmit signals in both the upstream and downstream directions to and from the user endpoints.

## OUTCOMES:

Understand role of passive optical networks for delivering broadband network access to end-customers.

# RESOURCE PERSONS:

Prof. Poonam Chakraborty

Assistant Professor,

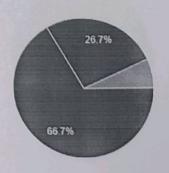
Don Bosco Institute of Technology,

Mumbai.



### FEEDBACK:

How was the overall organization of the session? 30 responses



Excellent

Very Good

Good Fair

• Poor

How relevant was the content discussed by the speaker? 30 responses



Excellent

Very Good

● Good

• Fair

O Poor

Are you satisfied with the time and venue/platform? 30 responses



Excellent

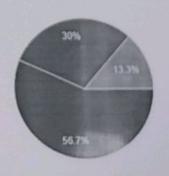
Very Good

● Good

Fair

Poor

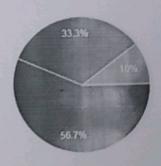
How much interesting this session was for you? 30 responses



Excellent
 Very Good
 Good
 Fair

• Poor

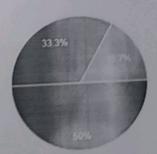
Did the lecture cover what you were expecting? 30 responses



Excellent
 Very Good

Good
Fair
Poor

How was your preparation about the topic before guest lecture?
30 responses



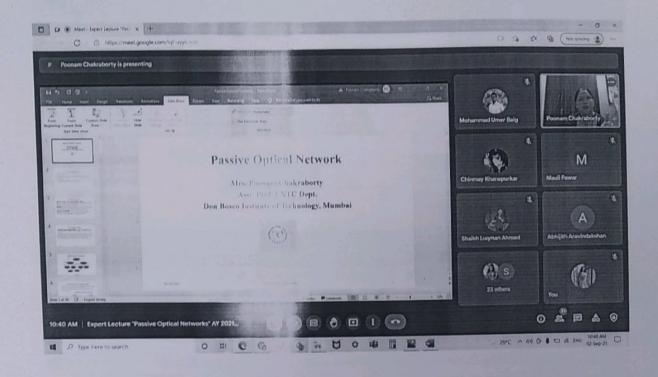
Excellent
 Very Good

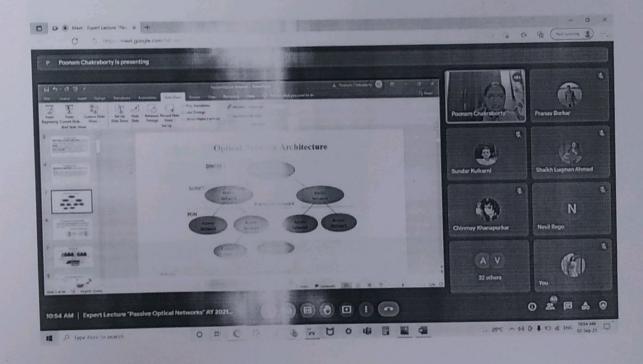
Very GoodGood

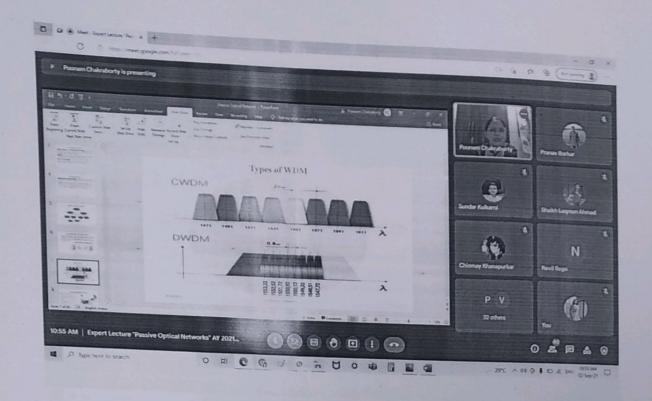
• Fair • Poor How much this session was useful from knowledge and information point of view? 30 responses Excellent Very Good ● Good Fair Poor Overall effectiveness of the session 30 responses Excellent Very Good ● Good • Fair • Poor Additional comments and suggestions for future 8 responses 3 (37.5%) 2 (25%) 1 (12.5%) 1 (12.5%)

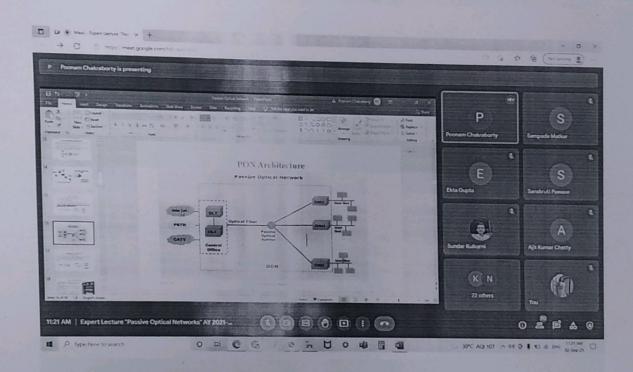
More such sessions would be appreciated

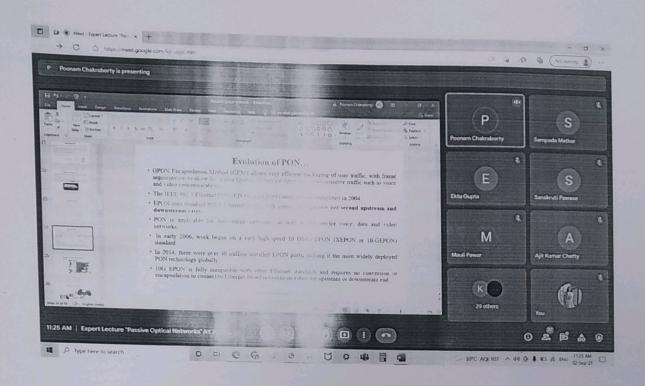
## **SCREENSHOTS:**

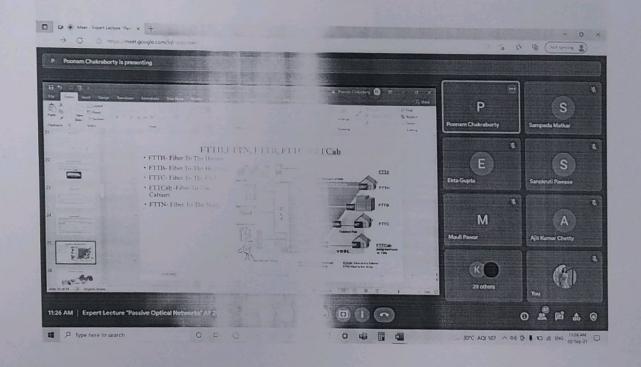


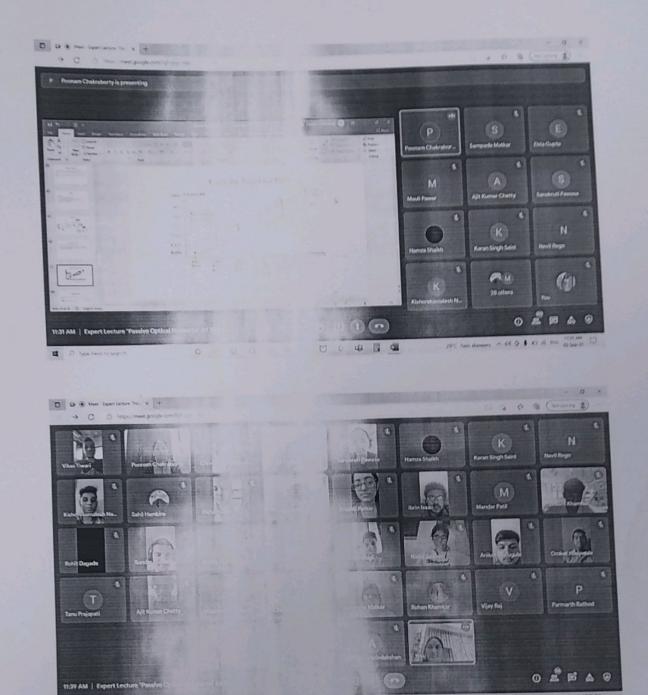












Prof. Shailaja Udtewar

Subject In-charge

Dr. Vidya Sarode

HoD, EXTC