



ST FRANCIS DE SALES COLLEGE

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Electronic City, Bengaluru - 100

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A FRANSALIAN INSTITUTE OF HIGHER LEARNING

Title	ICT session on Fibre Optics and Application layer
Date of Event(s)	14 th and 19 th December - 2022
Department/Association/Cell/Committee	Computer Applications
Venue (Mention the platform if it is online)	Online
Number of Participants	122
Target Audience	3 rd & 5 th Sem BCA Students
Event Coordinator	Prof. Ashtalakshmi

The objective of the Program:

The Department of Computer Applications organized a session on motivation on 14th and 19th December for BCA 3rd and 5th Sem students. Ms. Mahalakshmi.G shared her experience in Computer Networks as **FIBRE OPTICS & APPLICATION LAYER** and inspired the students in this session.

Mahalakshmi G works as **Subject Matter Expert at NetApp** with over 6+ years of experience in Data Storage Industry. She holds Bachelor of Engineering degree majored in Computer Science and Engineering from PSG College of Technology, Coimbatore. She is part of **NetApp ONTAP** Product Management team. Currently She is focussing on various cases such as Data storage Automation and Tools portfolio via REST APIs, NAS storage and Manageability SDK. She loves solving real-world customer issues and always looks for a way to automate complex data storage management operations. Mahalakshmi is one of the Key NetApp Insight Technical Speaker and Discussion leader at NetApp Briefing Center. Apart from work, Mahalakshmi is an avid-book reader and enjoys traveling to historical places.

Fiber optics is **the technology used by internet services such as Verizon Fios home internet to transmit information as pulses of light through strands of fiber made of glass or plastic over long distances.** And She gave a wonderful session on Fiber Optics by explaining

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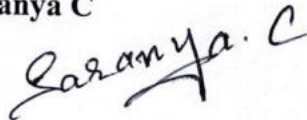
in depth about what is it? How is it implemented? And How does it work? etc.

Also she gave a session on Application layer, is an abstraction layer that specifies the shared communications protocols and interface methods used by hosts in a communications network. Her points were on to the point, too clear and up to the mark. On the whole, it was too technical but made the magical mindset on our young ones.

The outcome of the program:

To learn the file transfer can occur over the internet between different networks or within the same network. The application layer also is the layer that allows users to access files, such as from cloud-based storage or from a database.

Report Prepared by: Prof. Saranya C



Report Verified by:



COORDINATOR
Desalite Skill Development Cell
St. Francis de Sales College
Bengaluru - 560100

Report Approved by:



PRINCIPAL
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Geo-Tagged Photographs:

Mahalakshmi G is presenting

AGENDA

- Quality of Service (QoS)
- Network Management
- Traffic Shaping
- Admission Control
- Resource Reservation
- Integrated Services

Mahalakshmi G

16:40 | ryj-xwdr-giv

26°C Mostly sunny 4:40 PM

Mahalakshmi G is presenting

Quality Of Service Characteristics

Reliability Delay Jitter Bandwidth

BHAVANA D can now join this meeting

Mahalakshmi G

16:51 | ryj-xwdr-giv

25°C Mostly sunny 4:51 PM

WhatsApp Meet - ryj-xwdr-giv Google Meet

meet.google.com/ryj-xwdr-giv

Mahalakshmi G is presenting

WHY QUALITY OF SERVICE IS IMPORTANT?

Deepak Deepu has left the meeting

16:49 | ryj-xwdr-giv

25°C Mostly sunny 4:49 PM

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Mahalakshmi G is presenting

APPLICATION	RELIABILITY	DELAY	JITTER	BANDWIDTH
VoIP	High	Low	Low	Low
Video	High	Low	Low	Medium
Web	High	Medium	Low	Medium
Streaming	High	Medium	Medium	Low
Download	High	Low	Low	Medium
Mail	High	Low	Low	Low
Storage	High	Low	Low	Low
Backup	High	Low	Low	Low

Mahalakshmi G

16:54 | ryj-xwdr-giv

25°C Mostly sunny 4:54 PM