REPORT FOR GUEST LECTURE ON
FTTx: FOR THE FUTURE TECHNOLOGICAL REVOLUTION

Title of the event: Guest Lecture on FTTx: For the Future Technological Revolution.

Date of the event: 29th October 2024 (Tuesday)

Approval letter from the Principal office:

Name of the resource person with phone number

Name: Dr P Ashok

Phone number: +91 - 9941372568

Official address of the resource person:

Dr P Ashok,

Symbiosis Institute of Digital and Telecom Management (SIDTM),

Symbiosis International University,

Lavale, Pune, Maharashtra, India.

Objective of the event:

The main objective of the event is to provide participants with a thorough understanding of Fiber to the X (FTTx) technology, focusing on its foundational concepts, innovative advancements, and potential to revolutionize communication networks. The event aims to bridge the knowledge gap in fiber optic technology by highlighting its role in enhancing data transmission speeds, scalability, and reliability. Additionally, the lecture seeks to inspire participants by showcasing real-world applications, industry trends, and opportunities for leveraging FTTx in driving future technological developments, fostering innovation, and addressing global connectivity challenges.

Attendance sheet of the participants: IV Year ECE Students

Geo tagged photos of the event:

Sirukalathur, Tamil Nadu, India
Ece Block, Sri Sairam Engineering College, Sai Leo Nagar,
Sirukalathur, Tamil Nadu 602109, India
Lat 12.961166° Long 80.057667°
29/10/24 10:43 AM GMT +05:30

Sirukalathur, Tamil Nadu, India
Cs Block, Sri Sairam Engineering College, Sai Leo Nagar,
Sirukalathur, Tamil Nadu 602109, India
Lat 12.960948° Long 80.057411°
29/10/24 10:44 AM GMT +05:30
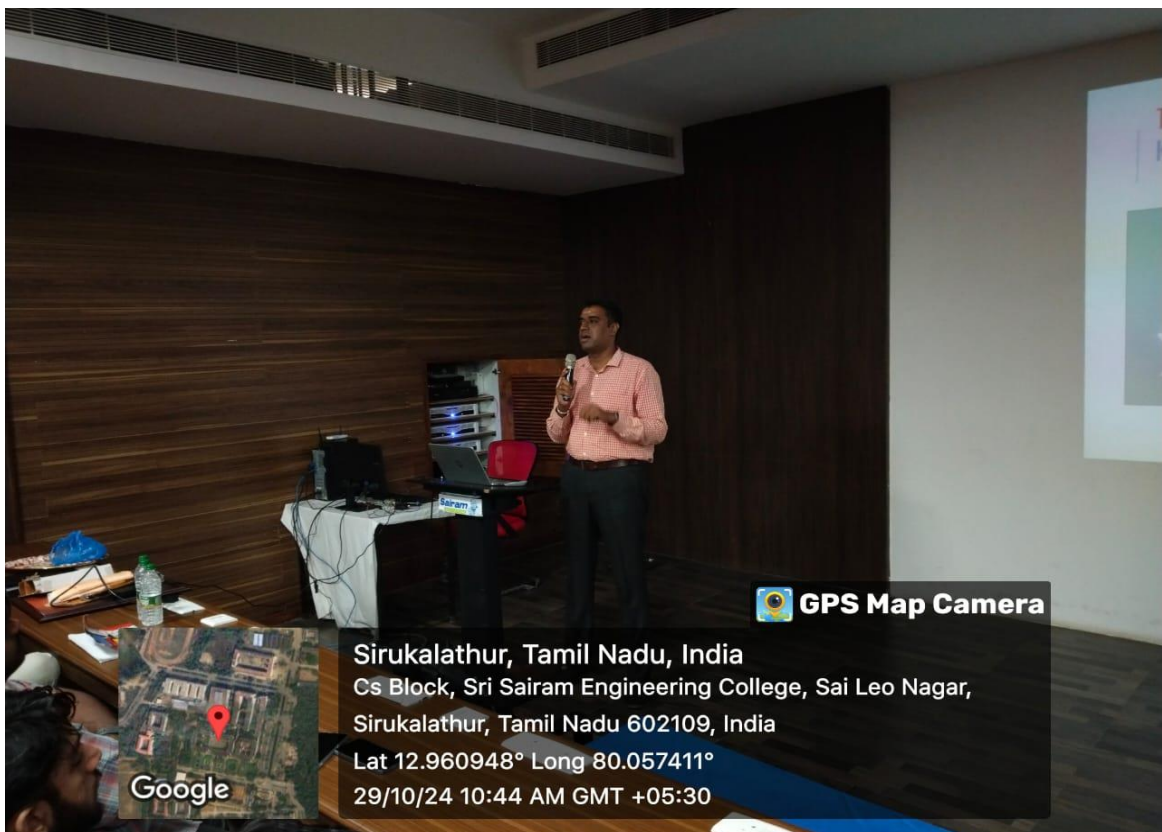
About the event:

The guest lecture was organized by the Department of Electronics and Communication Engineering, Sri Sairam Engineering College in association with IEEE Photonics Society on the topic, "FTTx for the Future Technological Revolution". For this guest lecture, Dr. P. Ashok, Associate Professor from Symbiosis Institute of Digital and Telecom Managem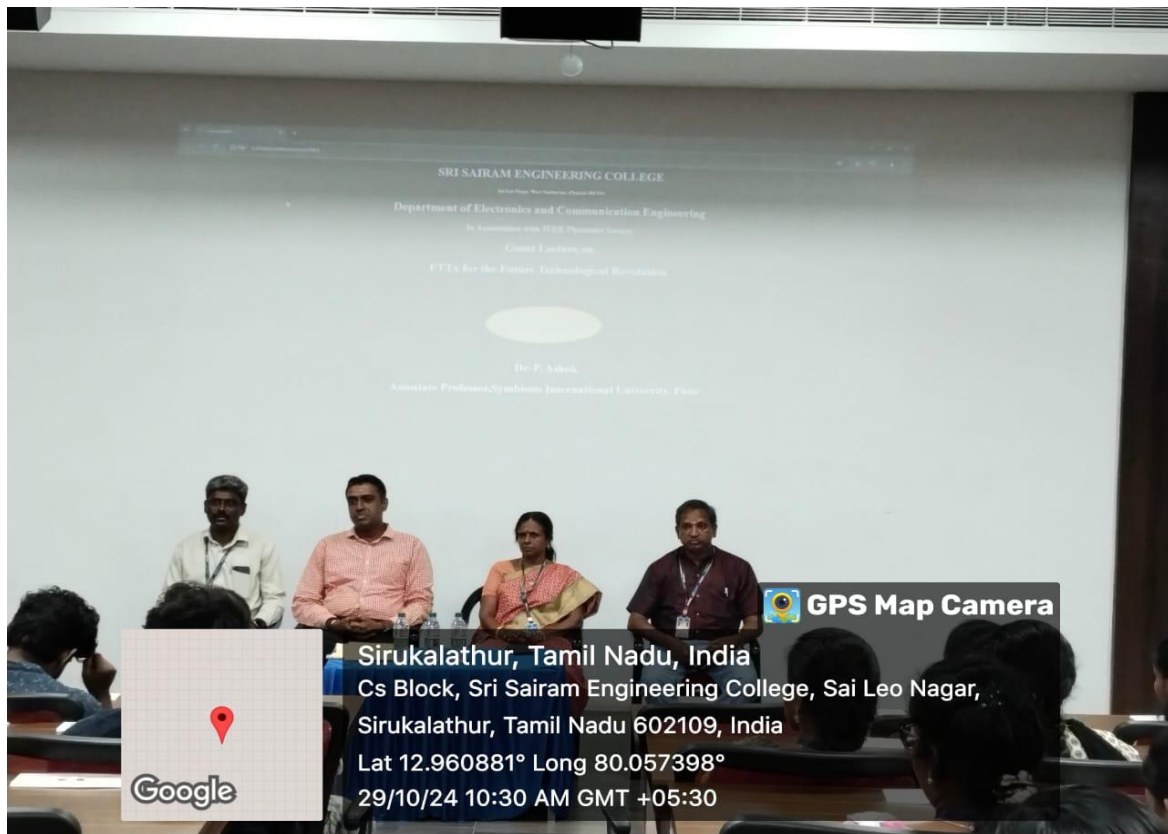ent (SIDTM), Symbiosis International University, Pune, India was invited as the speaker. The event was held on 29th October, 2024 (Tuesday) between 10.00 am and 12.30 pm in the venue Beta Hall, Sri Sairam Engineering College.

The students from the Department of Electronics and Communication Engineering, final year, Sri Sairam Engineering College were invited to attend this guest lecture.

The guest lecture was organized to educate participants on the advancements in Fiber to the X technology and its potential to drive the next generation of communication networks. The session conducted by *Dr P Ashok*, an expert in the field, provided valuable insights into the principles, applications, and future developments of FTTx.

The event was commenced by singing Tamil Thai Vaazhthu followed by welcome address and lightening of kuthuvilaku. A special welcome to the guest was delivered by Dr S Sumathi Mam, Professor, Department of Electronics and Communication Engineering, Sri Sairam Engineering College. Followed by the special address the guest was honored with the shawl and the momento by Dr S Sumathi mam, Dr M Baskaran sir and Dr P Prakash sir. An introduction was given about the lecture topic by our students and the session was handed over to the Speaker.

The event witnessed active participation from both students and the faculties. The speaker was not only focused on inculcating about the advancements in the fibre optics technology but mainly focused on empowering into the fundamentals of fibre optics technology which laid a strong foundation to get deeper into the FTTx technology. The speaker also included quiz between moving on into next topics which made the participants more enthusiastic and motivated.

After the lecture, the participants were given opportunity to raise questions to clear their doubts and the speaker answered all the questions with enthusiasm. And finally, the event discarded with the vote of thanks and national anthem.

Outcomes of the event:

- Participants gained a deeper and more comprehensive understanding of the fundamentals of fibre optics and more into FTTx technology, including its core principles, operational methodologies, and transformative potential in modern communication systems.

- The session highlighted various career paths in fibre optics and networking, motivating students and professionals to explore opportunities in these rapidly growing fields.

- The event also encouraged active discussions on implementing FTTx technology in local and global contexts, with a focus on its role in improving connectivity, supporting smart cities, and enabling sustainable technological ecosystems.

- Participants had the chance to interact with the resource person and peers, fostering a collaborative environment that could lead to future projects and innovations.

- Case studies and examples presented during the lecture showcased practical implementations of FTTx, helping attendees connect theoretical knowledge with real-world scenarios.
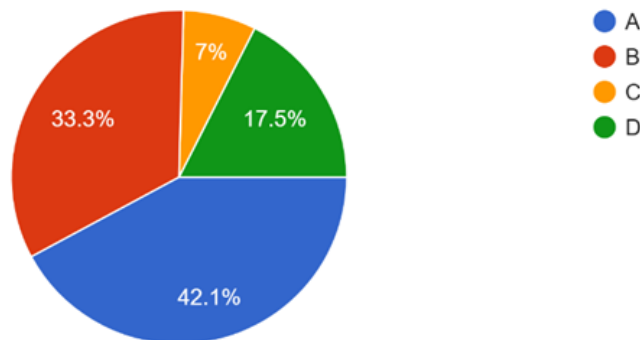
Feedback analysis of the event:

A google form was created to collect the feedback from the participants on the guest lecture which was circulated to the participants at the end of the event. The data collected from the feedback are as follows:

1. **Event rated on a 5-point scale:**

Rate this Programme in a 5-point scale
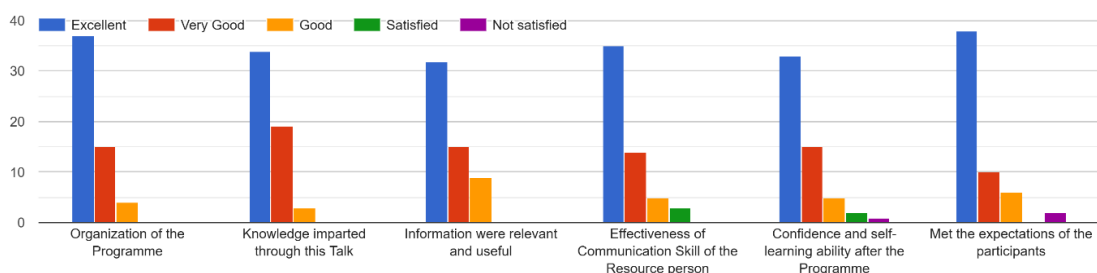
2. **Section wise responses from the participants:**

3. **Overall remarks on the event:**

The event was considered to be very informative by the participants. Many participants described the session as "insightful," emphasizing the clarity and relevance of the content delivered. Remarks such as "Gained more valuable insights on FTTx (optical communication)," "Good and knowledge-gaining session," and "Excellent" reflect the perceived quality of the session. Attendees appreciated the opportunity to deepen their understanding of FTTx and its real-world applications. All these remarks reflected on the students' interest on having more guest lecture events like this in the future.