



## Guest Lecture on Digital Technology in Emerging World

The Department of Electronics and Communication Engineering, in association with IEEE Communication Society Madras Section Chapter, hosted a guest lecture on the topic **Digital Technology in Emerging World**. The event featured Mr. Suresh Kumar S, A Senior Engineer and Group Head for Fiber Optics, Antenna Feeds, Frontend System, and RFI Mitigation Groups at the GMRT Observatory, NCRA-TIFR, Pune, India.

### Event Details

**Date:** 24th July 2024 (Wednesday)

**Time:** 7:00 PM to 8:00 PM

**Platform:** Online mode (Zoom)

**Meeting Link:** [Join Zoom Meeting]

(<https://us05web.zoom.us/j/82420366393?pwd=dToJYClubfQ5iHaFSQwL166MQlwWi0.1>)

**Meeting ID:** 824 2036 6393

**Passcode:** 3QcWV1

### Speaker Profile

#### Mr. Suresh Kumar S

Mr. Suresh Kumar S serves as a Senior Engineer and the Group Head at the GMRT Observatory, NCRA-TIFR, Pune, India. He leads the groups focusing on Fiber Optics, Antenna Feeds, Frontend Systems, and RFI Mitigation. With his extensive experience and expertise in these areas, Mr. Suresh Kumar is well-positioned to offer valuable insights into digital technology and its applications in the emerging world.

## **Lecture Overview**

The lecture emphasized the importance of digital communication, highlighting how it facilitates seamless connectivity with anyone, anywhere, and anytime. The session aimed to enhance participants' understanding of digital technology and its impact on the modern world. Topics covered included advancements in fiber optics, antenna systems, and the critical role of RFI mitigation in ensuring clear and reliable communication.

## **Key Takeaways**

### **1. Advancements in Fiber Optics:**

- Improvements in data transmission speed and capacity.
- Emerging applications in various fields such as telecommunications and medical technology.

### **2. Antenna Feeds and Frontend Systems:**

- Innovations in antenna design for better signal reception.
- Importance of frontend systems in processing signals before they are transmitted or received.

### **3. RFI Mitigation:**

- Strategies to reduce Radio Frequency Interference (RFI) for clearer communication.
- Impact of RFI on various communication systems and how to mitigate it effectively.

## **Few Snippets**



**SAI RAM**  
ENGINEERING COLLEGE  
Chennai - 44 | www.sairam.edu.in

**IEEE ComSoc**  
IEEE Communications Society  
SEC STUDENT BRANCH CHAPTER



**IEEE**  
SEC STUDENT BRANCH  
EXPLORE EXPAND ENLIGHTEN

**Department of Electronics And Communication Engineering &  
SEC IEEE Communication Society SBC**

A GUEST LECTURE ON

# **DIGITAL TECHNOLOGY IN EMERGING WORLD**



EVENT ID : SEC202407IEEECMM03



**GUEST LECTURER**

**Mr. SURESH KUMAR S**

Senior Engineer-G,  
Group Head for Fiber optics, Antenna Feeds,  
Frontend System and RFI Mitigation Groups,  
GMRT Observatory, NCRA-TIFR, Pune, India.



**24-07-2024**



**7.00 pm - 8.00 pm**



**Zoom**

Chairman- Kiruthika A Vice chair- Jayasree P, Diksha RS Secretary- Bala Srinivas CS WebMaster- Mahesh J, Tharan Karthi G Treasurer- Mithan Raaj S

**COORDINATORS**  
Ms. V. MYVIZHI SELVI  
Dr. S. SUMATHI  
Dr. B. PANJAVARNAM  
Ms. NAZEEN ANJUM

Dr. K. SUMATHI  
CHAPTER ADVISOR  
SEC IEEE COMSOC SBC

Dr. J. THAMIL SELVI  
HOD/ECE

Dr. J. RAJA  
PRINCIPAL

Dr. SAI PRAKASH LEOMUTHU  
CHAIRMAN & CEO  
SAIRAM INSTITUTIONS





8:08


Participants (62)

Close



MH

Mrithulaa H







Myvizhiselvi V





NV

NARMATHA V





NK

Nithish Ks





N

Nithyasree





NS

Nivedita S





NS

NIVETHA S





PV

Pavithra Velu





P

Priya





R

RAGHUL.D





R

RESHMA.R



C

Sahana



Invite



8:08

Participants (63)

Close




DD

DEEPIKA D





D

Diksha Sivakumar





DD

DIVYA DHARSHINI S





DB

Dr B PANJAVARNAM





DS

Dr S Sumathi





GR

GOPIKA R N





GD

Gunavathi Durai





H

HARINI





HA

Harshni A





J

jayasree





JS

Josephine Shelcia



JS

Josephine Shelcia



Invite

19:17



 Zoom ▾

Leave



Microsoft PowerPoint interface showing a presentation slide titled "Digital Technology in Emerging World". The slide content includes:

Digital Technology in Emerging World

S. Sureshkumar  
Senior Engineer and Group Head  
GMRT Observatory, NCRA-TIFR, Pune

The interface includes a ribbon with tabs like File, Home, Insert, Design, Transitions, Animations, Slide Show, Review, View, Recording, and Help. The Slide Show tab is active, showing options like Play From Start, Play From Current Slide, Play From This Slide, and Play From This Section. A sidebar on the left shows a list of slides.



Unmute



Start video



Participants



Chat



Reactions



Share

## Conclusion

The guest lecture provided valuable insights into the current trends and future prospects of digital technology in the emerging world. Participants gained a deeper understanding of the field, which can significantly aid their academic and career growth. The session also underscored the importance of staying connected through digital communication and leveraging advancements in technology for better outcomes.

## Acknowledgments

Special thanks to the Department of Electronics and Communication Engineering and the IEEE Communication Society Madras Section Chapter for organizing this enlightening session. Appreciation is also extended to Mr. Suresh Kumar S for sharing his expertise and insights.

## Feedback from 63 participants:

Rate this Programme in a 5 point scale.

