

Two Days Training program

ON Design and Development of Terahertz Self- Multiplex Antennas Using Substrate Integrated Waveguide for 6G Wireless Communication System

(29-30, September, 2023)

Under

SERB-SRG Sanctioned Project



ORGANIZED BY

Department of Electronics & Communication
Engineering

Sant Longowal Institute of Engineering &
Technology

(Deemed to be University under MoE, Govt. of India)

Longowal, Distt. Sangrur-148106
Punjab (India).

Website: www.sliet.ac.in

Patron : Prof. Mani Kant Paswan, Director

Co-Patron : Prof. Surinder Singh, Dean (R&C)

Chairman : Prof. Ajay Pal Singh, HOD(ECE)

Coordinator : Dr. Kundan Kumar, PI of Project

INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MoE (formerly MHRD), Government of India in 1991, to provide technical education in emerging areas of Engineering and Technology. The institute caters to the technical manpower requirements at various levels by adopting a concept of a modular system in imparting professional education with an emphasis on practical training in the industry. The study programmes include various courses at Integrated Certificate and Diploma, Degree, M.Tech & Ph.D levels in 11 departments of Engineering, Science and Technology. The Institute has come up beautifully in a sprawling green area of 451 acres, with many topographically featured picturesque landscape and presents spectacle of harmony and natural beauty, embedded with all the amenities required for a complete township.

LOCATION AND WEATHER

The Institute is located at Longowal village and is connected by road with Sangrur (18 km), Sunam (18 km), Barnala (30 km), Patiala (80 km), Ludhiana (110 km) and Chandigarh (150 km). The nearest railway stations are Sangrur (18 km), Sunam (18 km), Barnala (30 km) and Dhuri (35 km). The nearest airport is at Chandigarh. The month of November is mostly dry and sunny, the temperature ranges from 27°C to 29°C.

DEPARTMENT OF ECE

The department aims to provide quality education to the youngsters so that they can contribute to the development of the nation. The courses being run by the department include:

- Integrated Certificate-Diploma Program
- B.E. (Electronics and Communication Engineering)
- M.Tech. (Electronics and Communication Engineering)
- Ph.D. Programme

ABOUT THE PROGRAM

This is basically a Research Facility Training Program in which researcher can train about various recent aspects on design and development of terahertz self-multiplex antennas using substrate integrated waveguide for 6G wireless communication system' as per the industry and research and development requirement for 6G infrastructure. The program will inspire the participant to generate new ideas in their research field.

THEME AND OBJECTIVES

This Two Days program aims to include the themes with particular emphasis to electronic and communication systems. The main objective of this course is to provide the theoretical and practical knowledge of the current avenues of research in Terahertz Self multiplexing antenna for wireless Communication to Researchers.

RESOURCE PERSONS

Faculty Member from SLIET.

ELIGIBILITY:

The faculty members of institutions, Research Scholars/Postgraduate scholars/ under graduate student from the SLIET or other Universities/ Institutes are eligible to apply. There is no registration fee; however, the online registration is mandatory for all the participants.

HOW TO APPLY

Interested participants should compulsorily register for the training through following link on or before the last date:

<https://forms.gle/xP4DmNvXhZ5bnyUo8>

MODE OF CONDUCTION

The training program will be conducted on offline mode.

GENERAL INFORMATION

- No Registration Fee, however, Online Registration is Mandatory.
- Refreshment are complementary during the program.
- Maximum 20 participants are allowed for training.
- Participant will be selected on first come first serve basis.
- Participant will get e-certificate after successfully completion of training with 80% Attendance.

COURSE CONTENTS

- Introduction to terahertz communication
- Substrate integrated waveguide Technology
- Current avenue for terahertz communication
- Self-multiplexing antenna for 6 G communication
- Hands on designing of terahertz communication

IMPORTANT DATES

Last date for registration: **Sept. 28, 2023, 4 PM**

Notification of selection: **Sept. 28, 2023, 5 PM**

ADDRESS FOR CORRESPONDENCE**Coordinator:**

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