ABOUT THE INSTITUTE

Maulana Azad National Institutes of Technology (**MANIT**) is an institute of National importance. It was formerly known as Maulana Azad Collage of Technology (MACT), which was India's one of the first eight Regional Engineering collages. The institute has been named after the great scholar, educationist and the first education Minister of India, Maulana Abdul Kalam Azad. The Govt. of India and the Govt. of Madhya Pradesh jointly sponsored the institute in 1960 to attract bright young students from across the country. The institute successfully meeting the objective of producing skilled manpower with the highest quality to cope up with challenges of ever evolving industrial needs of the country.

About Bhopal

It's capital of Madhya Pradesh and is commonly known as city of lakes. It is well connected from different parts of the country by rail and air routes. The institute is around 9 Km away from Bhopal main railway station and 6 Km from Rani Kamlapati railway station. Bhopal airport is around 16 Km away from the institutes. The weather of Bhopal is moderate and temperature during June varies from 30-38^{o} C.

Objective

The objective of this program is to give exposure, create awareness, and competence about recent trends in RF Devices Antennas and Radar Systems.

Eligibility

Faculties from Academic Institutions, Research organizations, Research scholar, Masters students and Student with background in Signal Processing. **Maximum number of participants is limited to 30. The seats will be allotted on first come first serve basis.**

Chief Patron

Dr. K. K. Shukla, Director, MANIT Bhopal.

Patron

Dr. R. N. Yadav, Head of Department, ECE, MANIT, Bhopal.

Coordinators

Dr. O. P. Meena
Assistant Professor

Dr. Manish Kashyap
Assistant Professor

Dr. A. Subba Rao
Assistant Professor

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IMPORTANT
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Website:- www.manit.ac.in

Self-financed

Short Term Training Program
on
Trends in RF Devices, Antennas and Radar systems. (RF-DARS)

~~May 13 to 17, 2024~~
June 24 to 28, 2024 (Revised)

Organized by

Department of Electronics and Communication Engineering

Maulana Azad National Institute of Technology,
Bhopal-462051
Madhya Pradesh, India

Institute Website : www.manit.ac.in

Introduction

Trends in RF devices, antennas, and radar systems are continually evolving to meet the demands of modern technology. Advancements in miniaturization techniques have led to the development of smaller and more efficient RF devices, enabling integration into a wide range of applications including IoT, wearable technology, and autonomous vehicles. Antenna design trends focus on improving bandwidth, efficiency, and multi-functionality to support the growing demand for wireless connectivity in various environments. Additionally, radar systems are experiencing enhancements in resolution, range, and signal processing capabilities, enabling improved detection and tracking of targets in complex environments.

Emerging trends also include the integration of RF systems with artificial intelligence and machine learning algorithms for enhanced performance and autonomy. As the demand for wireless communication and sensing continues to rise, ongoing research and development efforts are driving innovation in RF devices, antennas, and radar systems.

QR CODE for filling GOOGLE FORM

Course Content

- Antennas and Cognitive radio communications
- Application of Antennas to satellites
- Microwave Absorbers
- Metamaterial Antennas
- Radar Systems
- Ultra-Wideband Antenna
- SIW Antennas
- Antenna Testing using vector network analyser
- RF Energy Harvesting
- Lens Antennas

How to Apply/Register –

1-Pay the registration fee of Rs. 1500/- per participant. Fee can be deposited in MANIT account electronically (e.g. by UPI)/ by cheque / by DD in favour of Director MANIT.

ACCOUNT NO. - 10020150107
IFSC - SBIN0001608

2-Fill the form on right side by taking a printout of this form, sign it at the place required. Properly scan it. It will be required in step 3

3-Fill the google form at the following link –

https://docs.google.com/forms/d/e/1FAIpQLSddKRSg0K43Oz5C2pP9N_6E79vUoQSQV_xdm88yICt4RBTa4w/viewform?usp=sf_link

or by using the QR code on the left

4-On successful registration you will receive confirmation message on registered email id within 3-4 working days with subsequent instructions.

Maulana Azad National Institutes of Technology, Bhopal-462051

Registration Form

for

Self-financed

Short Term Training Program

on

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Full Name : --

Designation :--

Affiliation :--

Whatsapp No. : ---

Email :--

Highest Qualification:---

Fee payment Transaction/UTR No with date of payment (Amount ₹1500/-):

Transaction/UTR No. --

Date of Payment --

Date Signature of Applicant in blue ink

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