Short Term Training Program
on
Wireless Communication Systems: 5G and Beyond
(8^{th} – 12^{th} May 2024)

ABOUT MANIT BHOPAL

Maulana Azad National Institute of Technology, Bhopal is an institute of national importance. The institute has been named after the great scholar, educationist and the first Education Minister of Govt. of India, Maulana Abul Kalam Azad. The Govt. of India and Govt. of Madhya Pradesh jointly established the Institute in 1960 to attract bright young students from across the country. Presently, along with about 250 faculty members and 6000 students, the institute is successfully meeting the objective of producing skilled manpower of the highest quality to cope up with challenges of ever evolving industrial needs of the country. For details visit at www.manit.ac.in.

ABOUT BHOPAL

Bhopal is the capital of Madhya Pradesh and It is also known as city of lakes. It is well connected by air, rail and roads. The institute is about 9 km from Bhopal railway station and 7 km from Rani Kamlapati railway station and 16 km from Raja Bhoj airport. Weather in Bhopal is normally pleasant in the month of May and temperature varies from 30^0-38^0C.

ABOUT WORKSHOP

Welcome to our groundbreaking short term training program (STTP) on the Wireless Communication Systems: 5G and beyond. In this course, participants will dive into the cutting-edge developments and transformative capabilities of fifth-generation (5G) networks while exploring the exciting prospects of the next-generation wireless technologies. From understanding the fundamental principles of 5G architecture to envisioning the revolutionary advancements poised to define the future of communication, this STTP offers a comprehensive exploration of the evolving landscape. Participants will gain insights into the potential applications, challenges, and societal impacts of emerging technologies, paving the way for informed and innovative contributions to the ever-expanding field of wireless communications. Please join us on this insightful journey to uncover the untapped potential and possibilities that lie ahead in the realm of 5G and beyond.

STTP TOPICS

Topics of interest to the STTP include, but are not limited to the following:

- Evolution for 1G to 5G
- Massive MIMO
- Orthogonal frequency division multiple access
- Orthogonal time-frequency space
- Millimeterwave Communication
- MIMO CSI Compression
- 5G Beamforming
- Massive IoT in 5G
- AI/ML in 5G Communication
- Hands on 5G use cases
- Edge Computing in 5G
- Security and Privacy in 5G and Beyond
- 5G Network Architecture
- Applications of 5G in Industry
- Visible Light Communication
- Optical Communication
- Terahertz Communication
- Spectrum Management
- Bharat 6G vision/ 6G spectrum and devices

Registration Form

Name of the Applicant .....
Gender: .....
Designation: .....
Institute/college……
City/town……..
Email…….
Mobile Number…….

Registration Category (Tick One)
Student (Ph.D./PG/UG) ₹ 500/- ☐
Academician ₹ 1000/- ☐
Professional ₹ 2000/- ☐
Registration Fees can be deposited in MANIT account electronically/ by cheque / by DD in favour of Director MANIT Bhopal.

Account Number - 10020150107
IFSC Code - SBIN0001608

Details of registration Fees (Fill whatever is applicable):
Details of electronic transfer/Demand Draft:

Signature of the Applicant

I hereby agree to relieve Mr/Ms/Dr. ...……. In case she/he is selected to attend the workshop.

Signature and Seal of the Forwarding Authority

Name .....Designation .....

Lodging and boarding will be provided on a payment basis, depending on availability at the institute hostels. The last date of registration is 2nd May 2024.

Website Link:
https://sites.google.com/view/sttp-on-wcs5gb

Registration Link:
https://forms.gle/mUZzEuVYEHenQb8r5

For any queries, please email to:
sttp.wcs.5gb@gmail.com



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Department of
Electronics and Communication Engineering

Maulana Azad National Institute of Technology, Bhopal M.P.

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PATRON

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