



RAMAIAH INSTITUTE OF TECHNOLOGY
(Autonomous Institute, Affiliated to VTU)

**One Week Workshop
on
Recent Trends in Antenna Design
for 5G and Beyond Applications**

23rd August to 27th August, 2021

In association with

IQAC, RIT

&

**IEEE Antennas and Propagation Society,
RIT Students Chapter**

Intended Audience

The workshop is open for Faculties,
Scientists, Engineers, Research Scholars,
UG and PG students

REGISTRATION

Registrants are required to fill the registration
form online given below
(no registration fees for students and Faculty)

***Industry Participants: Rs. 1500 /-**

Registration Link: <https://forms.gle/qgu32Xs7bk3CttTb8>

Note:

E-certificates will be given on successful
completion of one week Participation

IMPORTANT DATES

***Last date for Submission of Online Registration
form August 18, 2021**

***Confirmation of participants through E-mail:
August 20, 2021**

Address for Communication

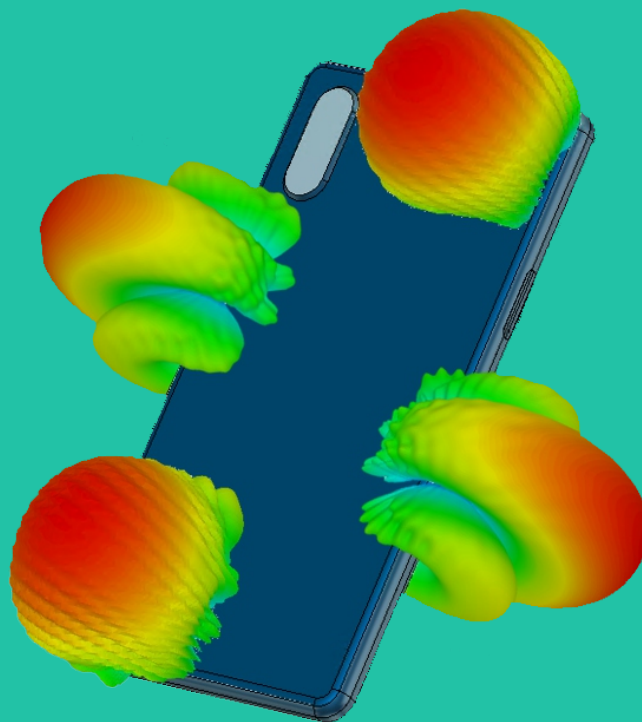
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CHIEF PATRONS

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Chairman, GEF

PATRONS

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Vice Chairman, GEF
Director, RIT

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Advisory Committee

Dr. N V R Naidu, Principal, RIT

Dr. Archana, Registrar (Academics), RIT

**Mr. Mahadev Kokkari, Registrar
(Administration), RIT**

CONVENERS

Dr. Maya V Karki
Professor and Head
Dept. of ECE, RIT

Dr. B K Sujatha
Professor and Head
Dept. of ETE, RIT

COORDINATORS

Dr. B Sujatha
Associate Professor

Dr. Parimala Prabhakar
Assistant Professor

Dr. S Imaculate Rosaline
Assistant Professor

Mrs. Akshatha S K
Assistant Professor

ABOUT THE INSTITUTION

Ramaiah Institute of Technology is a self financing institution established in Bangalore in the year 1962 by the industrialist and philanthropist, Late Dr. M S Ramaiah. MSRIT, is managed by the Gokula Education Foundation (GEF). The mission statement of GEF is "To deliver education and health for the betterment of mankind". RIT has an ISO 9001:2008 certification from BVQI. All eligible engineering departments offering bachelor degree programs have been accredited by NBA. RIT is one of the few institutes with faculty student ratio of 1:15 and achieves excellent academic results. All the departments are full with competent faculty, over 98% of them being postgraduates or PhD holders. All research departments are active with sponsored projects and more than 130 scholars are pursuing PhD. The Centre for Advanced Training and Continuing Education, Centre for Research and Industrial Consultancy, and Entrepreneurship Development Cell have been set up on campus. RIT has a strong Placement and Training department with a committed team, a fully equipped Sports department, RIT is a member of DELNET, and AICTE INDEST Consortium. RIT Alumni have distinguished themselves by occupying high positions in India and abroad and are in touch with the institute through an active Alumni Association. RIT obtained Academic Autonomy for all its UG and PG programmes in the year 2007.

ABOUT THE DEPARTMENTS

The Department of Electronics and Communication was started in 1975 and is located in the "Electrical Sciences Block". The department offers B.E program with an intake of 120, and two M.Tech programs, one in Digital Electronics and Communication, and one in VLSI Design and Embedded Systems, with intakes of 30 and 18 respectively. It is recognized as a research center by VTU Belgaum, whereby candidates can register for pursuing M.S(Engg.) / Ph.D. The department has a Center of Excellence in Food Technologies sponsored by VGST, Govt. of Karnataka. The department is equipped with numerous UG and PG labs, along with Research and Development facilities. Past and current research sponsoring agencies include DST, VTU, VGST and AICTE.

The Department of Electronics & Telecommunication Engineering offers UG programme in Electronics and Telecommunication Eng and M.Tech program in Digital Communication, accredited by the NBA. The Department has recognised Research Centre and currently has 12 Research Scholars. We have collaborated with leading industries like Texas Instruments, Ansys, Rohde & Schwarz, JV Micronics, Nokia, Honeywell, Intel, ARM-Nuvoton, Ericsson, Samsung, ABB and with leading universities like Bradley University, Stanford University, IIT-M, enabling the department to focus on R&D and new avenues for PG/UG students. There are Funded Research projects and various professional societies like IEEE Sensor Council, IEEE ComSoc and IETE Bangalore.

ABOUT THE WORKSHOP

The purpose of the workshop is to provide an open forum focused on Recent Trends in Antennas for 5G Applications. It will provide an overview of the current state of the art, highlighting the latest developments in this domain and to explore innovative approaches in the area. Expert Lectures on topics such as

- Smart Antennas
- Reconfigurable massive MIMO Antennas
- Textile Antennas
- Metamaterial Antennas
- Optical Antennas
- Channel Modelling and mm Wave Antennas

Also participants will gain Hand on experience in working with Electromagnetic tools such as Ansys HFSS and CST. Simulation experience on the following antenna models will be acquired.

- Microstrip Patch Antennas
- Reconfigurable Antennas
- RCS Simulation of RFID Antennas



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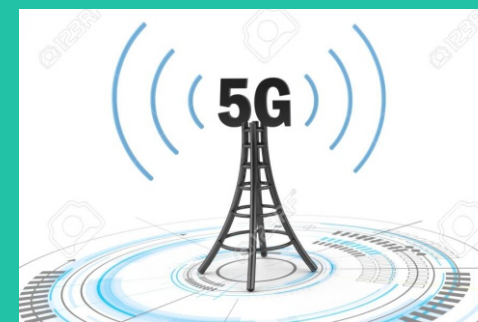
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Resource Persons

Resource persons are National and International experts from reputed Industries / Academia and Research Organizations



Organized by

*Department of Electronics and Communication Engineering
&
Department of Electronics and Telecommunication Engineering*

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