



## NATIONAL SEMINAR ON

# Microwave Integrated Circuits for 5G and Health care Applications

17<sup>th</sup> September, 2025 | 10:00AM to 12:00PM

MBA Seminar Hall, Acharya Campus



## About the Program

The Department is organizing a National Seminar on Microwave Integrated Circuits (MICs) for 5G and Healthcare Applications. to provide a comprehensive platform for academicians, researchers, and students to explore the latest trends, design methodologies, and applications of Microwave Integrated Circuits.

### Objectives of the Program

- To educate on microwave integrated circuits (MICs), their design principles, and fabrication techniques.
- To familiarize participants with simulation tools, design methodologies, and testing of microwave components and circuits.
- To encourage participants to undertake innovative projects and research in the domain of 5G communication and Healthcare applications.

### Expected Outcomes of the Program

- Participants will gain a strong understanding of microwave integrated circuit (MIC) fundamentals, architectures, and performance parameters.
- Learners will be able to explain and analyze the role of MICs in next-generation 5G communication systems and biomedical healthcare devices.
- Participants will recognize how microwave circuits enable medical imaging solutions and 5G communication.

Target Audience: ECE Students and Faculties

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## Committee Members

### PATRONS

- Shri B M Reddy, President, JMJ Education Society.
- Shri B. Premnath Reddy, Chairman, Acharya Institutes.
- Smt. Shalini Reddy, Executive Director, Acharya Institutes.
- Shri Krishna Basani Reddy, Managing Director, Acharya Institutes.

### ADVISORY COMMITTEE

- Dr. C K Marigowda, Principal, AIT
- Dr. Anil Kumar Ramsesh, Head Of R&D, Director, Fellow at TE Connectivity, BLR
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- Dr. Ravish Aradhya H.V. HOD, Dept. of ECE @ RVCE, BLR
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- Mr. Manjunath S, (AIT Alumni) Engineering Program Manager, Continental

### CONVENER

- Dr. Rajeswari, Prof and HOD - Department of ECE, AIT

### EVENT COORDINATORS

- Mrs. Kumbhar Trupti Ravikumar, Asst. Prof., Dept of ECE, AIT
- Mrs. Veena Sanath Kumar, Asst. Prof., Dept of ECE, AIT

## Resource Person Details



### Dr. S. Raghavan

Designation: Professor,  
ECE Department, NIT, Tiruchirappalli



### Acharya Institute of Technology

Acharya Dr. S. Radhakrishnan Road, Acharya P.O  
Soladevanahalli, Bangalore - 560107, Karnataka, India.

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### Event Coordinator

Mrs. Kumbhar Trupti Ravikumar  
Assistant Professor,  
Dept of ECE, AIT