

Dr. Lalit Rai

Assistant Professor, Electronics Engineering
J. C. Bose University of Science and Technology, YMCA Faridabad
(Haryana) INDIA



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Professional Summary

Passionate educator and researcher with over 15 years of experience in Electronics Engineering, specializing in Control & Instrumentation, antenna design, and wireless communication. Proven track record in academic excellence, research, and student mentorship. Prior industry experience as an RF Engineer, providing expertise in RF circuit design, network planning, and signal optimization.

Education

- Ph.D. in Electronics Engineering, J. C. Bose University of Science and Technology, YMCA Faridabad (Haryana), 2023
- M.Tech in Instrumentation, National Institute of Technology Kurukshetra, Kurukshetra (Haryana) 2008
- B.Tech in Electronics Engineering, YMCA Institute of Engineering, Faridabad (Haryana) 2004

Professional Experience

Assistant Professor

J. C. Bose University of Science & Technology, YMCA, Faridabad (Haryana)

September 2009 – Present

- Conducting undergraduate and postgraduate courses in Electronics Engineering.
- Supervising research projects in antennas, microwave circuits, and signal processing.
- Developing innovative teaching methodologies and course materials.
- Organizing workshops and seminars to enhance student learning.

RF Engineer

Telecom Network Solutions Private Limited, Noida (Uttar Pradesh)

September 2008-August 2009

- Worked on the projects of BSNL and Vodafone
- Conducted network planning and frequency spectrum analysis.
- Performed RF testing, troubleshooting, and performance evaluations.
- Worked on improving signal propagation and interference mitigation.

Research Interests

Control System & Instrumentation, Antenna Design, Wireless Communication, VLSI, IoT Applications.

Publications & Patents

- **Journal**, 02 SCI, 01 Scopus, 06 Refreed Journals
- **Conferences**, 25 International, 04 National
- **Patents**, 02 Patents Published.
- **Book**, 01 Book on Analog Electronics.

Projects & Grants

- 02 Projects are undergoing

Technical Skills

- MATLAB, HFSS.
- Antenna Design, RF Circuit Design, Embedded Systems.
- IoT, Wireless Communication, Network Security.

Professional Memberships

LM-ISTE, LM-IE, LM-IAENG

Awards & Recognitions

- Successfully executed the TEQIP-III project as Nodal Officer Procurement
- Handled various administrative job such as Additional Chief Hostel Warden and Assistant Registrar