



National Institute of Technology Delhi

राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

Vision

Create an educational environment to prepare the students to meet the challenges of the modern electronics and communication industry through state of art technical knowledge and innovative approaches beneficial to society.

Mission

- To promote teaching and learning by engaging in innovative research and by offering state-of-the-art undergraduate, postgraduate, and doctoral programs.
- To cultivate an entrepreneurial environment and industry interaction, leading to the emergence of creators, innovators, and leaders.
- To promote co-curricular and extra-curricular activities for the overall personality development of the students.
- Building of responsible citizens through awareness and acceptance of ethical values.

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

इलेक्ट्रानिक्स एवं संचार अभियांत्रिकी विभाग



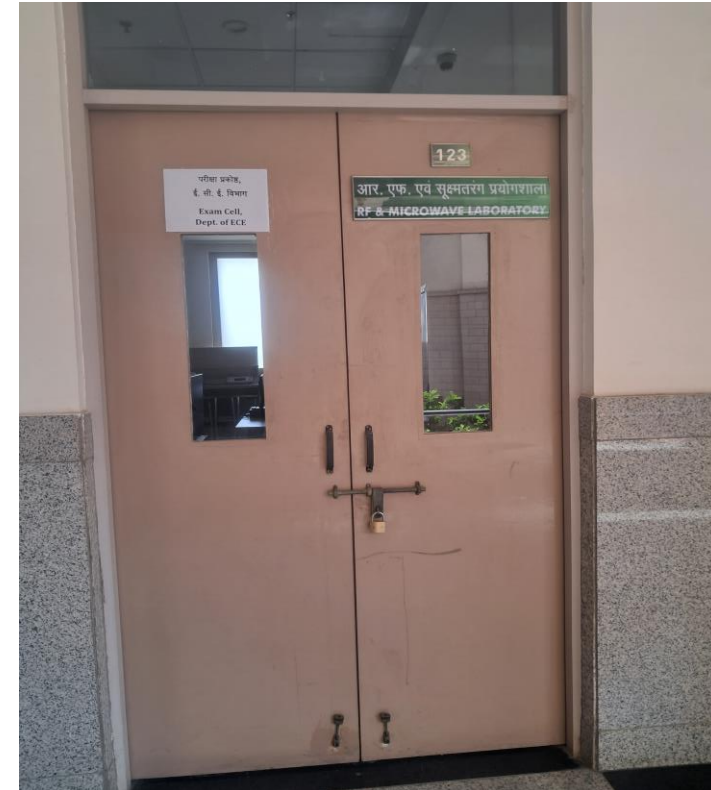
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NATIONAL INSTITUTE OF TECHNOLOGY DELHI

आर एफ और माइक्रोवेव लैब | RF & MICROWAVE LAB



GUNN PIN Based Microwave Testbench





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KLYSTRON POWER SUPPLY



VSWR METER



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Reflex Klystron Based Microwave Testbench



DSO KEYSIGHT DSOX1202A,
70 MHz, 2 Channel



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"उत्साही छात्र वैज्ञानिक अन्वेषण में डूबे हुए, प्रयोगशाला के भीतर निर्बाध रूप से प्रयोग कर रहे हैं, जहां ज्ञान और जिज्ञासा मिलती है।"

"Enthusiastic students immersed in scientific exploration, seamlessly orchestrating experiments within the laboratory, where knowledge and curiosity converge."



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List of Instruments/ Equipment/ Software

Hardware

S. No.	Item Description	Qty	Model/ Version	Make
1	Digital Storage Oscilloscope Infiniivision - 200Mhz, 2GSa/s, 4-Channels	5	DSOX2024A	Keysight Technologies
2	Digital Multimeter	2	U1232A	Agilent
3	Digital Multimeter	1	U1252A	Agilent
4	PCB Prototype Machine with Computer System	1	DS-PCB-50	Innovative Engineers
5	Reflex Klystron based Microwave Test Bench	2	NA	M/s Nvis Technologies Pvt Ltd
6	Gunn Diode based Microwave Test Bench	2	NA	M/s Nvis Technologies Pvt Ltd
7	Reflex Klystron based Microwave Test Bench	1	NA	Frontline Technologies
8	Gunn Diode based Microwave Test Bench	1	NA	Frontline Technologies



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List of Instruments/ Equipment/ Software

Software

S. No.	Item Description	Qty	Model/ Version	Make
9	MATLAB Simulink and other associated tools (Software) Campus-Wide License - Unlimited Users	1	R2024a	MATLAB
10	CST Studio Suite Software (Perpetual License) Education Research License - 5 Users	1	v2024	Dassault Systems
11	Ansys Academic (HFSS) (Perpetual License) 5 Users	1	Latest	Ansys



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धन्यवाद | THANK YOU

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Department of Electronics and Communication Engineering

