

Microwave and Optical communications Lab



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Objective:

The Microwave and Optical communications Lab concentrate on providing hands on experience to the basic concepts of Microwave and Optical communications. Numerous microwave devices are practically studied for VSWR, S – Parameter, frequency. The way the optical fiber can be used for communication is studied along with estimation of losses occurring thereby.

Area of the Lab: 132.2 sqm.

Details of the Equipment:

S.No	Name of the Equipment	Quantity
1	Gunn Diode Microwave benches	06
2	Reflex Klystron Microwave benches	04
3	Microstrip Antenna Trainer	01
4	Analog link Transmitter and Receiver Optical Trainer	01
5	Digital link Transmitter and Receiver Optical Trainers	04
6	LASER Diode Trainers	03
7	Fiber Optic Trainers	02

Lab Cost: Rs. 16,19,346/-

S.No	Academic Year	Expenditure during this Year	Total Expenditure
1	2022-23	---	Rs16,19,346/-
2	2021-22	---	Rs16,19,346/-
3	2020-21	---	Rs16,19,346/-
4	2019-20	Rs 2,79,598/-	Rs16,19,346/-
5	2018-19	Rs 2,40,225/-	Rs13,39,748/-
6	2017-18	--	Rs10,99,523/-
7	2016-17	--	Rs10,99,523/-
8	2015-16	--	Rs10,99,523/-

Lab In charge:

Dr. P. Venkat Rao, Assoc. professor, Dept. of ECE

Supporting Staff:

Mr. A. Lenin Babu, Senior Technician, Dept. of ECE

PHOTOS:

