



S.A.P.D. Jain Pathashala

# Walchand Institute of Technology, Solapur

An Autonomous Institute

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## Electronics and Telecommunication Engineering Lab Details

Lab Name	Microwave Engineering
Lab Description	Microwave Engineering Lab is specially used to perform practical's of the Electromagnetic Engineering & Radiating Systems, Radar and Microwave Engineering and Antenna and Wave Propagation etc. It is equipped with Klystron based and Gunn diode based Microwave Benches including various components such as attenuators, detector mount, isolators, matched termination and special Microwave components such as Liquid Dielectric Cell, Solid dielectric cell, Microwave Antennas. etc. It also consists of a transmission line trainer kit, Faraday's rotation isolator/ Apparatus Kit. Tripod stands for horn antenna and turn tables for antenna are also available in Lab. RF Antenna trainer kit is also available in Microwave lab which is used to perform the practicals for drawing the radiation pattern and calculation of different parameters for different types of Antenna..
Lab Equipment	Major Equipments in the Lab are Klystron Microwave bench- Vidyut Yantra Udyog, GUNN Diode Microwave bench - Vidyut Yantra Udyog, Transmission Line Trainer kit – Scientech, RF Antenna Trainer with 22 Antennas - AMITEC, Faraday's Rotation Isolator/ Apparatus Kit, Special Microwave components- Vidyut Yantra Udyog, Tripod Stands for Microwave Antennas and Turn Table for Antenna - Vidyut Yantra Udyog.
Lab Floor Area in square meters	56.24 Sq.Mtr.
Practical's Engaged in Lab	Electromagnetic Engineering & Radiating Systems, Radar and Microwave Engineering, Antenna and Wave Propagation
Name of Lab Incharge	Mrs.P.S. Shetgar
Associated Faculty with the lab	Dr. Mrs R.R. Mergu, Dr. Mrs. R. J. Shelke, Mrs. P. S. Shetgar
Name of Lab Assistant	Mr. K.V. Ket
Name/s of Menial Staff	Mr. S.H. Mehta