



S.A.P.D. Jain Pathashala

Walchand Institute of Technology, Solapur

An Autonomous Institute

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General Engineering Lab Details

Lab Name	Engineering Physics
Lab Description	Engineering Physics lab deals with the experiments related with study of crystal structures, Determination of unknown wavelength and resolving power of optical instruments, Determination of specific rotation of an optically active solution, Verification of Malus law, Hall voltage and Hall coefficient determination, study of LASER properties and Optical Fibers.
Lab Equipment	Spectrometer, Polarimeter, Hall Effect Kit, He-Ne Laser Kit, Crystal Models, Malus Law Kit, Power supply, Energy Band Gap Kit, LASER Fibre Optics Trainer.
Lab Floor Area in square meters	114.38
Practicals Engaged in Lab	<ul style="list-style-type: none">• Crystallography• Energy Band Gap• Hall Effect• Plane Diffraction Grating• Resolving Power of Grating• Resolving Power of Telescope• Half Shade Polarimeter• Malus Law• Beam Divergence-He-Ne Laser• Numerical Aperture of Optical Fibre
Name of Lab Incharge	Dr.Mrs P.S. Joshi
Associated Faculty with the lab	Dr.Mrs P.S. Joshi, Mr. S S Siddul
Name of Lab Assistant	Mr.V. D. Sasture
Name/s of Menial Staff	Mr. M. R. Mitakare