



S.A.P.D. Jain Pathashala

# Walchand Institute of Technology, Solapur

An Autonomous Institute

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## Electronics and Computer Engineering Laboratory Details

Laboratory Name	Project Laboratory
Lab Description	<p>The Project Laboratory serves as a dynamic space where students bridge theoretical knowledge with real-world application. Designed to support innovation and technical development, the lab offers an advanced environment equipped with essential tools, software, and hardware resources.</p> <p>Students gain valuable hands-on experience, enabling them to strengthen both their technical proficiency and creative problem-solving skills. The Project Laboratory plays a crucial role in nurturing engineering talent by providing a platform to design, develop, and implement final-year and mini-projects as well as Hackathon projects.</p>
Lab Equipment	Digital CROs, digital multimeters, function generators, DC regulated power supplies, soldering stations, microcontroller boards (Arduino, PIC), Raspberry Pi, FPGA development boards, sensors, microcontroller programmer and debuggers, PCB design software (Eagle, KiCad), wire strippers, cutters, and pliers
Lab Floor Area in square meters	116
Practical/ Activity Engaged in Lab	<ol style="list-style-type: none"><li>1. Final year Project – Sem I and II</li><li>2. Mini Project - II</li><li>3. Prototyping and validation for student projects contesting in hackathon and similar competition</li><li>4. Incubation support for start-up, curriculum-based experimentation.</li></ol>
Name of Lab In-charge	Dr. A. S. Gundale
Associated Faculty with the lab	Dr. Mrs. R. J. Shelke, Dr. A. S. Gundale, Mr. S. C. Kalshetti, Mr. R. N. Chaven, Mr. R. S. Khamitkar, Ms. D. P. Wadkar
Name of Lab Assistant	Ms. R. R. Pukale
Name/s of Menial Staff	Mr. G. R. Chafakarande