



S.A.P.D. Jain Pathashala

Walchand Institute of Technology, Solapur

An Autonomous Institute

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Department of Electronics and Telecommunication Engineering Lab Details

Laboratory Name	Internet of Things
Laboratory Description	The Internet of Things (IoT) is the network of physical objects or ‘things’ embedded with electronics, software, sensors, and connectivity to enable objects to exchange data. IoT allows direct integration between the physical world and computer-based systems, helping to connect people, processes and devices. IoT Lab is a research platform exploring the potential of Internet of Things for multidisciplinary research with more end-user interactions. It gives the power to the crowd to be at the core of the research and innovation process. It gives you the power to change the world and the way we understand it.
Lab Equipment	HDMI LCD 10.1 Display, ARM mbed 1768 Development Board, RASPBERRY PI-4/8GB, R305 Fingerprint Biometric Sensor Module, Gas Sensor (MQ2), Bluetooth module, Node MCU, Metal gear servo motor, Robocraze Xbee ZigBee Adapter Board, Hp 280 G3 SFF 16 GB RAM 512 SSD, Dell USB wire keyboard & Mouse with LED Display Monitor, DC Regulated single power supply, NVIDIA Jetson nano developer kit, Qubo Smart Cam 360 Ultra WiFi CCTV camera, Mini DSO Digital Logic Analyzer, Digital storage Oscilloscope.
Lab Floor Area in square meters	82.88 Sq.Mtr
Practicals Engaged in Lab	Open Source Technologies, IoT Cloud Platforms, Internet of Things, Architecting IoT Solution. Data Structure. Multidisciplinary Minor -IV
Name of Lab Incharge	Mr. V.V. Anagire
Associated Faculty with the lab	Mr. V. V. Anagire, Dr. Mr. P. D. R Patnaik
Name of Lab Assistant	Mr. A.S. Kolkur
Name/s of Menial Staff	Mr. M. T. Benaknalli