



Manipal University Jaipur
School of Electrical, Electronics & Communication (SEEC) Engineering
Department of Electronics & Communication Engineering

VLSI & EMBEDDED SYSTEM DESIGN LAB

Lab and Lab Equipment Details

Name of the Laboratory	VLSI & EMBEDDED SYSTEM DESIGN LAB
Lab Descriptions	This Lab provides competency areas in VLSI Design & Embedded Systems including IC designing concepts & Embedded system designing concepts to analyze and design complex systems containing hardware and software components..
Lab Resources	<ol style="list-style-type: none"> 1. VLSI (FPGA) TRAINER, ST 102A 2. COMPUTER SYSTEM 3. Hp (Intel (R) Core™) i3-2120 CPU@3.30GHz, windows 7 professional, 64-bit, RAM -4GB) 4. HpPro Desk (Intel (R) Core™) i5-6500 CPU@3.20GHz, windows 8,64-bit, RAM -4GB) 5. Dell (Intel(R)Xeon(R) CPU@3.41GHz , Windows 10, 64-bit, RAM 8GB) 6. Lenovo m70t TWR Desktop(Intel@core™)i7-10700 cpu@2.90GHz/windows10pro /16GB DDR4 RAM/1TB HD/2GB Graphic Card/64 Bit 7. EMBEDDED DEVELOPMENT BOARD-8051 8. AVR DEVELOPMENT BOARD NV5003 9. VPL CONTROLLER BOARD: MODEL ET-PIC 455L 10. VPL ARM-11 BOARD 11. INTEL GALILEO BOARD 12. SEAGATE BACKUP PORTABLE HARD DRIVE 13. Xilinx Spartan – 7 SP701 FPGA Evaluation Kit 14. ZED Board ZYNQ-7000 Development 15. SI.No. HC 7900936 16. WIP Arduino Zero 17. Raspberry Pi 4 18. Color Laser Jet pro MFP M1183 fw 19. Flow Sensor 1” 20. Modem with Server Based 21. RO Matic 22. KEIL PK.51 – ED 25SUIT S/W: C 51 23. XILINX VIVADO 2016.1 24. WIP SYNOPSYS EDA TOOLS 25. 3900-0 Synopsys Asia Front END University Bundle 26. 3901-0 Synopsys Asia PAC Custom University Bundle 27. 4458-0 Synopsys Asia PAC Advance TCA University Bundle