
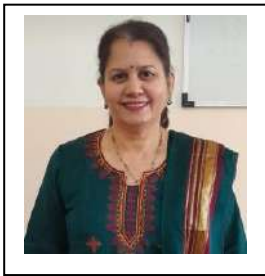


Laboratory Details


1. Computer Lab I (LEC-II)

Lab Incharge: Mrs. Varsha Ghotikar Qualification: -B.E.(E &TC) Experience:- 10 years in CCOEW, 3 years of automotive experience in MES Software testing 1 year experience, years of teaching experience Email id:- varsha.kulkarni@cumminscollege.in Contact No: 9890038789		
Major Equipments: (Hardware)	Ni2 Logic Universal System Development Platform (USDP), LCD Projector, LAN Trainer Kit, UPS	
Software:	Matlab 2022 a & b , Ubuntu 18.04 LTS	
Utilization:	Sem-I: - T.Y. B.Tech:- Digital Image Processing T.Y. B.Tech (Honor):- Data Science	Sem-II:- S.Y. BTech:- OOP


2. Computer Lab II (LEC-II)

Lab Incharge :- Mrs. Anuradha. R. Fukane Qualification:- M.E. E &TC (Signal Processing) Experience:- 6.5 years Teaching and 25.5 Years as Technical Assistant Email id:- anuradha.fukane@cumminscollege.in Contact No: 020-25311216		
Major Equipments: (Hardware)	Computers, LCD Projector , VLSI Trainer Kits –FPGA, CPLD & Spartan 3, Spartan 6, Zynq board, Matrix Board.	
Software:	Windows -10, Xilinx ISE Ver. 8.1 & Xilinx ISE 14.9, Xilinx Vivado 14.7, Microwind Ver.3.9, HEP-II with Modelsim & RTL simulation, Keil -5, SST, Flash magic	
Utilization:	Sem-I:- TY B Tech.- VLSI Design Tech : TY B.Tech VLSI Honor Course	Sem-II:- SY B Tech- Machine Learning lab : TY B.Tech VLSI Honor Course


3.Computer Lab III (LEC-IV)

Lab Incharge :- Mrs.Kishori C. Rajwade Qualification:- M.E. Electronics (VLSI & Embedded System) Experience:- 12 Years technical assistant Email id : kishori.rajwade@cumminscollege.in Contact No:- 020 25311206/203		
Major Equipments: (Hardware)	Computers, LCD Projector, Titan & metis kits, with dongle ADSP kit	
Software:	Windows 10 Education and Windows 7 Pro, Keil Vision 5.0 (13 licenses) , Proteus 8.16 (5 licenses), Flash Magic 5.0, SST Flash, Anaconda Navigator	
Utilization:	Sem-I: T.Y.B.Tech.- Advanced Processor Lab	Sem-II: F.Y.B.Tech.- Programming Skills in Python Language Lab, T.Y.B.Tech: RTOS lab


4.Computer Lab IV (LEC-V)

Lab Incharge :- Mrs. S. V. Dole Qualification:- M. Tech. (Electronics and Telecommunication) Experience:- Industrial Experience: 3 & 1/2 Years, Technical Assistant:32 Years & Teaching:1Year Email id:- seema.dole@cumminscollege.in Contact No:- 02025311219		
Major Equipments: (Hardware)	--	
Software:	MATLAB 2018b, Eclipse, R Studio, Colab using open CV Python, MY SQL, Anaconda Navigator, QGIS AND O.S. :Window 10 and Ubuntu 18.04	
Utilization:	Sem-I: - T.Y.BTech. – Digital Signal Processing and T.Y.BTech.(Honors) -Data Science	Sem-II:- - Final Year B.Tech. – Remote Sensing T.Y.B, Tech. - Deep Learning (honors),Big Data Analytics F.Y.B, Tech. - Programming Skills using Python


5. Project Lab (LEC-VI)

Lab Incharge :- Mrs.Kishori C.Rajwade		
Qualification:- (VLSI & Embedded System)		
Experience:- 12 years		
Email id : kishori.rajwade@cumminscollege.in		
Contact No:- 020-25311206		
Major Equipments: (Hardware)	Logic Analyzer, Universal Signal Source, DSO, Universal Programmer, Electro Hydraulic Trainer, Electro Pneumatic Trainer, Liquid Flow measurement: Turbine flow meter, Variable Power Supply with counter and Function Generator, 6 1/2 Digit Multimeter, Computers, Raspberry pi 4.	
Software:	Windows 10 Edu	
Utilization:	Sem-I: - T.Y.B.Tech - Mini Project	Sem-II:- T.Y.B.Tech- Biomedical Signal Processing Lab , Biomedical Signal Processing (Honors)


6. Basic Electronics Lab (LEC-VII)

Lab Incharge :- Mr. Chetan Godse		
Qualification:- B.Sc Chemistry		
Experience:- 13.3 Years Completed in Cummins College		
Email id:- chetan.godse@cumminscollege.in		
Contact No:- 020 25311208		
Major Equipments: (Hardware)	Cathode Ray Oscilloscope, Variable Power Supply, Function Generator, Digital IC Tester, LVDT Trainer Kits	
Software:	OS: Windows 10	
Utilization:	Sem-I: - Mini Project (Lab)	Sem-II:- S.Y.B.Tech:- Digital Electronics Lab

7. Analog Electronics Lab (LEC-VIII)

Lab Incharge :- Mrs.S.D. Katurde		
Qualification:- 3 years Diploma in Electronics and Telecommunications		
Experience:- 20 Years Completed in Cummins College		
Email id:- sonal.katurde@cumminscollege.in		
Contact No:- 020 25311209		
Major Equipments: (Hardware)	<ul style="list-style-type: none"> • DSO 100Mhz • Amitech make Techno scientific RF & Microwave antenna training system 10.5 GHz and 2 GHz • LCD Projector • On Line UPS System 	
Software:	Simulation Software Multisim 11&13, OS: Windows 7, Windows 10 Cisco packet tracer, wire shark	
Utilization:	Sem-I: - S.Y.B.Tech:- Electronic Circuits and Applications	Sem-II:- T.Y.BTech – Computer Network Security


8.Power Electronics Lab (LEC-IX)

Lab Incharge :- Mr.Vinayak P.Shinde		
Qualification:- B.E(Electronics and Telecommunication)		
Experience:- 2 Years Industrial Experience and 20 Years Completed in Cummins College		
Email id:- vinayak.shinde@cumminscollege.in		
Contact No:- 020 25311210		
Major Equipments: (Hardware)	Tekscope(Tektronix) 60 MHz, TPSF+TPCON control, On Line UPS System	
Software:	Windows 7, Windows 10,Ubuntu 18.04,Multisim 13.0 Simulation Software Multisim 11&13, Cisco packet tracer, wire shark	
Utilization:	Sem-I: - S.Y.BTech –Electronic Circuits and Application .	Sem-II:- T.Y.BTech - Computer Network security


9. Fiber Optic Communication Lab (LEC-X)

Lab Incharge :- Mrs. S. V. Dole		
Qualification:- M. Tech. (Electronics and Telecommunication)		
Experience:- Industrial Experience: 3 & 1/2 Years, Technical Assistant:32 Years & Teaching:1Year		
Email id:- seema.dole@cumminscollege.in		
Contact No:- 02025311219		
Major Equipments: (Hardware)	Optical Fiber Trainers & Kits (Bench mark OF TV 3.0) Microstrip System Trainer 850-1300Mhz (Logsun S-36R Series) Satellite Communication link (AMITECH) LCD Projector (Panasonic) Online UPS System (UTL)	
Software:	Keil Vision 5.0(License), Flash Magic 5.89, Qual Net 6.1 Proteus 8.16 (License), SST Flash Magic, Pyathon , Matlab Operating System : Windows 7 & 10	
Utilization:	Sem-I: - T.Y. B.Tech. – Advanced Processors Lab.	Sem-II:- Final Year B.Tech. – Broadband Communication Systems lab.


10.Communication LabII (LEC-XI)

Lab Incharge: Mrs. Varsha Ghotikar		
Qualification:- B.E. E &TC		
Experience:- 10 years in CCOEW, 3 years automotive experience in MES Software testing 1 year experience, 4 years teaching experience		
Email id:- varsha.kulkarni@cumminscollege.in		
Contact No: 9890038789		
Major Equipments: (Hardware)	Wobbulator, Spectrum Analyzer, RF generator, DSO (100 MHz, DSO (50 MHz), Wobbuloscope, Digital TV, TV trainer kits-02 ,Mix channel oscilloscope	
Software:	OS-Ubuntu 18.04 , MATLAB 2010b	
Utilization:	Sem-I: - T.Y.B.Tech.-: Internet Of Things.	Sem-II:-S.Y.B.Tech:- Digital and Analog communiation


11.Communication Lab I (LEC-XIII)

Lab Incharge :- Mrs. Anuradha Aamod Damle		
Qualification:- B. E . Electronics		
Experience:- 11 yrs in Cummins college. Total- 33yr exp. (5 yrs Industrial + 29yrs as TA)		
Email id:- anuradha.damle@cumminscollege.in		
Contact No:- 020 25311220		
Major Equipments: (Hardware)	Klystron based microwave Test Bench, Gunn diode based microwave test bench, DSO, Spectrum Analyzer, Signal Analyzer	
Software:	Ubuntu 16.04	
Utilization:	Sem-I: F.Y.B.Tech – FPL	Sem-II:- T.Y.B.Tech. TUT

12.M. Tech. lab (LEC-XII)


Lab Incharge :- Miss. Nikita Bhosale		
Qualification:- B.E. E &TC		
Experience:- Fresher(new joined)		
Email id:- nikita.bhosale@cumminscollege.in		
Contact No: 020-25311218		
Major Equipments: (Hardware)	TMS 3206416 Trainer DSP Kit, CCD camera and USB interface, Thermal camera	
Software:	MATLAB, Code Composer Studio. OS: Windows-10, Windows-11	
Utilization:	Sem-I: T.Y.B.Tech. –Digital Image Processing Lab Honor course: Deep learning	Sem-II:- T.Y.B.Tech – Deep learning Lab

13.Research Lab (LEC-I)

Lab Incharge :- Mrs. Anuradha Aamod Damle		
Qualification:- B. E . Electronics		
Experience:- 11 yrs in Cummins college. Total 34 yr exp. (5 yrs Industrial + 29yrs as TA)		
Email id:- anuradha.damle@cumminscollege.in		
Contact No:- 020 25311220		
Major Equipments: (Hardware)	UPS, LCD	
Software:	Ubuntu 18.04, Turbo C , C++, JDK 8 and ellipse	
Utilization:	Sem-I: - S.Y.B.Tech. – Data Structures and Algorithms	Sem-II:- S.Y.B.Tech Object Oriented Programming

College Facility Under C2S Project

C2S Lab: (Chip to Startup - Project Lab)

Department of Electronics & Telecommunication & Ministry of Electronics & Information Technology (MeitY) India Chip to Startup Project		
Project Title: Implementation of ML-Based DNA Sequencing Hardware Accelerator Using FPGA		
Lab Incharge :- Mrs. Anuradha. R. Fukane		
Qualification:- M.E. E &TC (Signal Processing)		
Experience:- 6.5 years Teaching and 25.5 Years as Technical Assistant		
Email id:- :- anuradha.fukane@cumminscollege.in		
Contact No: 020-25311216		
Major Equipments: (Hardware)	Computers, LCD Projector ,PYNQ ZU Board, ZYNQ Ultrascale+ MPSOC ZCU104,ZYNQ Ultrascale+ MPSOC ZCU102 PYNQ Z2 board + Accessories, Boolean Board, Urban Board + Accessories, Kria KR-260,Kria KV (Video) Board	
Software:	CADENCE, SINOPSYS, SIMENS MENTOR GRAPHICS HEP-II, Xilinx Vivado 14.7, OS: CENTOS-7.1, Rocky Linux, Windows-10	
Utilization:	C2S project work	C2S project work