

BAPURAO DESHMUKH COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Name of Laboratory: UHF & Microwave Engineering Lab.



1. Total Expenditure : UHF & Microwave Engineering : 6,53,774
2. Lab Engagement per Week: Odd Sem: 06 Hrs, / Even Sem:- 06 Hrs.
3. No. of Equipments: UHF & Microwave Engineering : 97
4. Laboratory Shared By : Electronics Engineering

Sr. No.	Semester	Branch	Subject	No. of Hours per Week
01	VII (Odd)	ETRX Engg.	UHF Microwave	06
02	VIII (Even)	E & T Engg.	UHF Microwave	06

Prof. M. N. Thakare (9423620513)
Incharge

Mr. R. V. Ghogre
Lab. Technician

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Name of Laboratory: TV Engineering Lab.



1. Total Expenditure TV Engineering : 4,79,426
2. Lab Engagement per Week: Odd Sem: 06 Hrs, / Even Sem:- 06 Hrs.
3. No. of Equipments: TV Engineering : 12
4. Laboratory Shared By : Nil

Sr. No.	Semester	Branch	Subject	No. of Hours per Week
01	VII (Odd)	E & T Engg.	TV Engineering	06
02	VIII (Even)	E & T Engg.	Project	06

Prof. M. N. Thakare (9423620513)
Incharge

Mr. R. V. Ghogre
Lab. Technician

BAPURAO DESHMUKH COLLEGE OF ENGINEERING, SEVAGRAM
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
NAME OF LABORATORY: COMMUNICATION ELECTRONICS



Total Expenditure : Rs. 4, 76, 741 = 29
 Lab engagement per week Odd Sem : 12 Hours
 Even Sem : NIL
 Number of Equipments : 34
 Laboratory shared by : Electronics Engineering

Sr. No.	Semester	Branch	Subject	No Of Hours
1	V Sem	EXTC	Communication Electronics	6 Hours
2	V Sem	ETRX	Communication Electronics	6 Hours

Prof. J.D.Dhande.(9370646425)
 (Lab In-charge)

Shri. D. S. Mude
 (Lab Assistant)

BAPURAO DESHMUKH COLLEGE OF ENGINEERING, SEVAGRAM
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
NAME OF LABORATORY: DIGITAL COMMUNICATION



Total Expenditure : Rs. 3, 36, 072 = 78
 Lab engagement per week Odd Sem : NIL
 Even Sem : 12 Hours
 Number of Equipments : 17
 Laboratory shared by : Electronics Engineering

Sr. No.	Semester	Branch	Subject	No Of Hours
1	VI Sem	EXTC	Digital Communication	6 Hours
2	VI Sem	ETRX	Digital Communication	6 Hours

Prof. G. D. Korde(9766589243)
 (Lab In-charge)

Shri. D. S. Mude
 (Lab Assistant)

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DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Name of Laboratory: Digital Signal Processing



Total Expenditure : 1697262.00

Lab Engagement per week :- ODD SEM: 14 Hrs/week EVEN SEM: 12 Hrs/week

No of Equipments: 24

Laboratory Shared by

Sr No	SEMESTER ODD & EVEN	BRANCH	SUBJECT	No of Hours Per Week
1.	ODD	Electronics & Telecommunication	Digital Signal Processing	12
2.	ODD	M Tech VLSI	Embedded system I	02
3.	EVEN	Electronics & Telecommunication	Control system Engineering	06
4.	EVEN	Electronics & Telecommunication	UG Project	02
5	EVEN	Electronics & Telecommunication	Internet Hours	04

Prof. S.A.Dhande(9860104194)
(Lab In-charge)

Shri. B. M. Matte.
(Lab Assistant)

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Name of Laboratory: Programming Laboratory



Total Expenditure : 7,37,295.00

Lab Engagement per week : ODD SEM : 10 Hrs/week EVEN SEM: 10 Hrs/week

No of Equipments: 39

Laboratory Shared by

Sr No	SEMESTER ODD & EVEN	BRANCH	SUBJECT	No of Hours Per Week
1.	ODD	Electronics & Telecommunication	Object oriented Programming & Data Structure	04
2.	ODD	M Tech VLSI	MDS -I	02
3.	ODD	Electronics & Telecommunication	Internet Hours	04
4.	EVEN	Electronics & Telecommunication	Software Workshop	06
5	EVEN	Electronics & Telecommunication	PG Projects	02
6	EVEN	Electronics & Telecommunication	MDS II	02

Prof. S.A.Dhande (9860104194)
(Lab In-charge)

Shri. B. M. Matte.
(Lab Assistant)

LABORATORY DETAILS OF EXTC DEPARTMENT

Sr. No	Laboratory Name	Incharge Faculty	Information About Lab	Practical Conducted	List of Major Instruments /equipment	Photo of Lab
1	Communication Electronics	Prof.J.D.Dhande	Floor Area = 61.74 Sq. cm Cost of Equipment's= Rs. 4,76738/-	10	Trainer Transmitter and Receiver Kit	
2	Digital Communication	Prof . J.D.Dhande	Floor Area = 61.74 Sq. cm Cost of Equipment's= Rs. 3,36070/-	10	--Caddo 9100 100 MHz DSO	
3	DSP	Prof. S.A.Dhande	Floor Area = 44.55 Sq. cm Cost of Equipment's= Rs. 2,85306/-	10	--PC based DSP trainer kit ADSP 2105 with hardware and software pc based simulation --pc based DSP trainer TMS with hardware &software	
4	Computer	Prof. S.A.Dhande	Floor Area = 44.55 Sq. cm Sq. cm	10	--5 KVA CVT	

			Cost of Equipment's= Rs. 1,12701/-			
5	Television Engg.	Prof. M.N.Thakare	Floor Area = 91 Sq. cm Cost of Equipment's= Rs. 4,79426	9	--DSO --Caddo 8010 TG spectrum analyzer	
6	UHF & Microwave	Prof. M.N.Thakare	Floor Area = 91 Sq. cm Cost of Equipment's= Rs. 6,53774/-	9	--Dc turn table interface card with radiation pattern	

1. Research Lab details

1. VLSI Lab

- a. Computer Systems based on Pentium III/IV – 24 Nos. – Rs.767999/-
- b. Altera Quartus II – 2 Users – Rs.50000/-
- c. Matlab – 30 Users – Rs.758357/-
- d. Microwind – 5 Users – Rs.330000/-

2. Computer Lab

- a. Computer Systems based on Pentium IV – 23 Nos. – Rs.520000/-
- b. Xilinx FPGA Spartan -3E-500 Kit – 1No. – Rs. 13545/-
- c. Xilinx FPGA Spartan-6 Kit – 1 No. – Rs. 20475/-

