



**Maharashtra State Board of Technical Education**  
**Online Institute Monitoring Portal of MSBTE**

**Electronics & Tele-Communication Engineering Information Details for Academic year 2024-25**

**0992-Samrath Polytechnic City:Junnar , District:Pune RBTE :Pune**

**Department Name: Electronics & Tele-Communication Engineering**

<b>Accreditation by NBA</b>		Accredited
New Facility created (Additional new laboratory, Modernization of Laboratory, Development of learning resources developed etc.) *		Yes
Mechanism of student feedback, analysis and corrective action is adopted ( As per MSBTE format) *		Yes
<b>Whether Vision and Mission statements for Dept is prepared?</b>		Yes
<b>If yes, date of approval in Governing Board meeting/ Stake holders</b>		17-6-2016
Availability of Smart Classroom (at least one)		Yes
Whether Biometric Attendance is Available?		Yes
Conduct of refresher courses for direct 2 <sup>nd</sup> year admitted students for acquiring pre-requisite technical knowledge to cater requirement of direct 2 <sup>nd</sup> year subjects/ (NA for Pharmacy)		Yes
Professional activities ( Institutional magazine/ Technical magazine/ Newsletter)		Yes
Eshtablishment of Center of excellence/Startup/Incubation Center in collaboration with industries		Yes
Facility to watch MOOCS Courses through SWAYAM/Spoken Tutorials		Yes
No. of technical journals subscribed [hard copies] per branch		4

**Admission Status**

I Year		II Year				III Year		IV Year
Enrolled	Re-admitted	I year Pass Out	Direct	Change of Branch	Last year DC	II year Pass Out	Last year DC	
43	0	20	24	1	3	23	1	0

**Analysis of 1st year Admission**

**Number of students admitted to 1st year for 2024-25 at entry level(SSC/HSC//Qualifying Examination) having following %**

35% to 59.99%		13
60% to 79.99%		28
80% and Above		2

Remark OK

**Faculty Strength**

Sr. No	Required as per A.I.C.T.E/PCI and MSBTE Norms			HOD Availability	Filled Posts				Vacant's
	HOD	Lecturer (Desirable)	Lecturer (Essential)		Regular	Adhoc	Contract	Visiting	
1	1	7	4	Regular	6	0	0	0	0

**Faculty Profile**

Sr. No	Name	Desig	Qual	Exp in years		Subjects Taught	Date of Appoint	Trainings attended in last 2 years	Conf/ Seminars/ Workshop attended	Paper published	Research /Project
				Teac	Ind						
1	WAJE SHILPA DATTATRAYA	Lecturer	BE, ME	5	0	22216, 22217, 22320, 22329, 22334, 22423, 22426, 22428, 22532, 22533, 22535, 22634	3-8-2021	0	2	2	2
2	BHINGARDIVE AKSHADA ARUN	Lecturer	BE, ME	4	2	22215, 22217, 22320, 22329, 22330, 22423, 22427, 22509, 22531, 22532, 22535, 22634	18/04/2022	0	1	1	0
3	SATPUTE ADINATH SHANKARRAO	HOD	BE, ME, MBA	12	0	17102, 17210, 17215, 17317, 17434, 17535, 22216, 22217, 22333, 22427, 22428, 22447, 22535, 22636	3-9-2011	0	2	3	0
4	THORAT PRANALI RAMCHANDRA	Lecturer	BE	5	1	22216, 22320, 22330, 22425, 22427, 22428, 22531	1-2-2023	0	2	2	0
5	MORE SURESH BHAGWAT	Lecturer	BE, OTHER-	1	4	22333, 22334, 22426	18/10/2023	0	0	0	0
6	BUGADE PRAJAKTA SURYAKANT	Lecturer	BE	2	0	312008, 313324, 313325	2-5-2023	0	0	0	0

**Laboratory Information**

Sr. No	Name of Laboratory	No of Major Equipment's	Total cost of Equipment's and Furniture in the laboratory
1	INTERNET AND MICROCONTROLLER LAB	31	139800
2	ELECTRONICS INSTRUMENT LAB	27	566640
3	COMMUNICATION LAB	64	1129790
4	BASIC ELECTRONICS	55	339560
5	PROJECT LAB	12	233458
6	ELECTRICAL LAB	15	133000
7	DIGITAL TECHNIQUES LAB	24	649700

Availability of equipment's for conduct of experiments/jobs as per MSBTE norms						100% of syllabus	
Lab Assistant							
Sr. No	Name			Qualification			
1	MISS.KAPASE S.B.			BCS			
2	MR. RAJGURU V. R.			DIP			
3	MR.NAIKADE SWAPNIL			DIP			
4	MR.PANMAND V.B.			DIP			
Equipment's							
Sr. No	Particulars		Available	Cost	Weather instrument is working or not	Weather calibration of instruments carried out	Date of Calibration
INTERNET AND MICROCONTROLLER LAB							
1	USB		1	30	Y	N	24/7/2023
2	Computer		6	107400	Y	N	18.07.2023
3	LAN CARD		3	90	Y	N	
4	Processor FAN		2	100	Y	N	
5	Hard Disk Cable		1	60	Y	N	
6	USB Card		1	60	Y	N	
7	Mother Board		1	4500	Y	N	
8	Monitor Card		2	120	Y	N	
9	Serial Cable		2	120	Y	N	
10	HDD		4	8600	Y	N	
11	Printer Card		1	70	Y	N	
12	Furniture		13	11500	Y	N	
13	Evaluation Kit		3	2700	Y	N	
14	H/W Lock Simulator		1	800	Y	N	
15	Stepper Motor		2	1800	Y	N	
16	LCD with Keyboard		2	1800	Y	N	
17	LED Kit		2	1600	Y	N	
18	Traffic Signal Kit		2	1800	Y	N	
19	ADC Kit		2	1600	Y	N	
20	DAC Kit		2	1600	Y	N	
21	7 Segment & Keyboard		2	1400	Y	N	
22	5 V Supply		2	1400	Y	N	
23	12 V Supply		2	250	Y	N	
24	COM Port Cable		7	350	Y	N	
25	Supply Cable		2	150	Y	N	
26	Parallel Cable		7	120	Y	N	
27	Colour Cable		2	200	Y	N	
28	Computers and Supportive Device		25	442468	Y	N	18.07.2023
29	Printers		1	6160	Y	Y	18.07.2023
30	Printer data core corporation		1	8785	Y	N	
31	Computers		5	89500	Y	N	
Whether dead stock register / record maintained?					Yes OK		
Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum					Yes		
ELECTRONICS INSTRUMENT LAB							
1	Pressure Measurement using strain gauge		1	16800	Y	Y	19.07.2023
2	Level measurement		1	36900	Y	Y	19.07.2023
3	To plot RTD & thermocouple		1	9800	Y	Y	19.07.2023
4	Displ. Measu. Rotary		1	27900	Y	Y	19.07.2023
5	LVDT		1	13500	Y	Y	19.07.2023
6	Rotometer		1	45900	Y	N	19.07.2023
7	Dead weight tester		1	36900	Y	N	19.07.2023
8	DSO		1	25000	Y	Y	19.07.2023
9	CRO		1	16000	Y	Y	19.07.2023

10	AF/RF Signal Generator	1	5400	Y	N	
11	Funcation genretor	1	6300	Y	N	
12	Furniture	7	9800	Y	N	
13	function generator	1	6300	Y	N	
14	Analog multimeter	2	2700	Y	N	
15	AF/RF signal generator	1	5400	Y	N	
16	Dc regulated power supply	1	5400	Y	N	
17	CRO	1	16000	Y	Y	19.07.2023
18	DSO	1	25000	Y	Y	19.07.2023
19	Analog multimeter	3	2940	Y	N	
20	DMM	3	4550	Y	N	
21	Function generator	1	6300	Y	N	
22	Digital LCR meter	1	19800	Y	N	
23	Tv pattern generator	1	11700	Y	N	
24	Bourden tube	1	11700	Y	N	
25	Stroboscope	1	18900	Y	N	19.07.2023
26	Capacitive type Transducer	1	28000	Y	N	19.07.2023
27	TEMPA.USING Thermocouple	1	7500	Y	N	19.07.2023

Whether dead stock register / record maintained? Yes ok

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum Yes

**COMMUNICATION LAB**

1	Pulse code modulation	1	9800	Y	Y	20/7/23
2	AM Transmitter Kit	1	4500	Y	Y	20/7/23
3	FM Transmitter kit	1	4500	Y	Y	20/7/23
4	AM Radio Receiver	1	4500	Y	Y	20/7/23
5	FM Receiver kit	1	4500	Y	Y	20/7/23
6	FM Detector kit	1	2700	Y	Y	20/7/23
7	Dual Trace CRO with Probes	1	17900	Y	Y	20/7/23
8	Furniture	1	10000	Y	N	
9	DSO	2	81000	Y	Y	20/7/23
10	RF SIGNAL GENERATOR	1	18900	Y	N	
11	REGULATED POWER SUPPLY	1	6300	Y	Y	20/7/23
12	PAM TRAINER KIT	1	5400	Y	Y	20/7/23
13	PWM	1	6300	Y	Y	20/7/23
14	PPM	1	6300	Y	N	
15	PCM MOD and DEMOD.	1	14500	Y	Y	20/7/23
16	FSK GENERATION	1	11700	Y	Y	20/7/23
17	PSK GENERATION	1	11700	Y	Y	20/7/23
18	AM MODULATOR	1	11700	Y	Y	20/7/23
19	FM MODULATOR	2	19600	Y	Y	20/7/23
20	FUNCTION GENERATOR	2	12600	Y	Y	20/7/23
21	PN SEQ.GENERATOR	1	13500	Y	N	
22	CRO	2	38100	Y	Y	20/7/23
23	AM RECEIVER KIT	1	6300	Y	Y	20/7/23
24	FUNCTION GENERATOR	1	6250	Y	Y	20/7/23
25	FDM TRAINER KIT	1	9500	Y	Y	20/7/23
26	DATA FORMATTING	1	14500	Y	Y	20/7/23
27	DUAL POWER SUPPLY	1	7100	Y	Y	20/7/23
28	DIGITAL MULTIMETER	1	1400	Y	N	20/7/23
29	Pulse Amplitude Modulation Kit	1	9800	Y	N	
30	Pulse Width Modulation Kit	2	10800	Y	N	
31	Pulse position Modulation Kit	2	9800	Y	N	
32	Delta modulation kit	1	14800	Y	Y	20/7/23
33	Ask modulation & demodulation kit	1	14500	Y	Y	20/7/23

34	fsk modulation & demodulation kit	1	7300	Y	Y	20/7/23
35	ADM	1	14500	Y	N	
36	CARRIER DEMOD.and DATA REFORMATIONG	1	14800	Y	N	
37	TWO CHANNEL CDMA TRAINER	1	40000	Y	Y	20/7/23
38	microwave trainer kit	1	145000	Y	N	
39	Numerical Operatic kit	1	18900	Y	N	
40	Bend Loss Kit	1	13500	Y	N	
41	V.I.char of LED	1	3600	Y	N	
42	V.I.char of photo device	1	3600	Y	N	
43	To measure att.	1	13500	Y	N	
44	Lux meter	1	3600	Y	N	
45	OPTICAL POWER METER	1	13800	Y	N	
46	FIBER OPTIC TRAINER KIT	1	13500	Y	N	
47	REFLEX KLYSTRON	1	13500	Y	N	
48	KLYSRTON MOUNT	1	9800	Y	N	
49	VSWR METER	1	14460	Y	N	
50	DC Pos Control System	1	24500	Y	N	
51	AC pos control system	1	24500	Y	N	
52	Potentiometes as error detector	1	16800	Y	N	
53	synchro as error detector	1	24500	Y	N	
54	Step responte of RC	1	3600	Y	N	
55	Step responte if RCC	1	16500	Y	N	
56	Step Decode res & cap	1	9800	Y	N	
57	Temp Controller	1	13500	Y	N	
58	PID Trainer	1	27900	Y	N	
59	Furniture	1	10000	Y	N	
60	FATEK PLC TRAINER	1	40500	Y	Y	20/7/23
61	FATEK ANALOG MODULE	1	29000	Y	Y	20/7/23
62	TEMPRATURE CONT.BY PLC	1	5000	Y	N	
63	TRAFFIC LIGHT CONT.USING PLC	1	4500	Y	N	
64	MOTOR AND SWITCHES CONTROL	1	6000	Y	N	

Whether dead stock register / record maintained? Yes OK

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum Yes

**BASIC ELECTRONICS**

1	Zener diode char	2	2000	Y	Y	17.07.2023
2	PN junn zinner diod	2	3600	Y	Y	17.07.2023
3	Fet amp.	2	4000	Y	Y	17.07.2023
4	ractifier & Filters	1	2000	Y	N	
5	Regulated power supply	1	2280	Y	N	17.07.2023
6	Full & Half wave Rectifier	2	2200	Y	N	
7	Rectifier CKT kit	2	2400	Y	Y	17.07.2023
8	Transistor as amp	2	2300	Y	N	17.07.2023
9	Zener diode Regulator	2	3000	Y	Y	17.07.2023
10	Transistor as switch	3	3150	Y	Y	17.07.2023
11	Furniture	1	10000	Y	N	
12	Transistor characterestics	2	3600	Y	Y	17.07.2023
13	half wave rectifier	2	2200	Y	Y	17.07.2023
14	common Emmitter chara.	2	4000	Y	N	
15	Transistor as aswitch	3	3150	Y	Y	17.07.2023
16	Mosfet chara.	2	3600	Y	Y	17.07.2023
17	tuned vtg amplifier	2	4400	Y	Y	17.07.2023
18	Miller sweep generator	2	4400	Y	Y	17.07.2023
19	Rc integratyor and Diffe.	2	5000	Y	Y	17.07.2023
20	Diac chara.	1	2700	Y	Y	17.07.2023

21	common base chara.	1	1800	Y	Y	17.07.2023
22	Ic testor	1	7500	Y	Y	17.07.2023
23	Digital multimeter	15	5250	Y	Y	17.07.2023
24	feedback amplifier	2	4000	Y	Y	17.07.2023
25	Two stage RC coupled amplifier	2	4400	Y	Y	17.07.2023
26	triac chara.	1	2200	Y	Y	17.07.2023
27	Transistor chara.	1	2400	Y	Y	17.07.2023
28	ujt chara.	1	2700	Y	Y	17.07.2023
29	study of IGBT	1	2000	Y	Y	17.07.2023
30	scr chara.	1	2200	Y	Y	17.07.2023
31	Breadboard devolopement system	1	12500	Y	N	
32	Power supply	2	12600	Y	Y	17.07.2023
33	3 Phase diode kit	1	13500	Y	Y	17.07.2023
34	scr kit	1	3600	Y	Y	17.07.2023
35	Trainer kit for IGBT	1	12500	Y	Y	17.07.2023
36	scr Treigginger kit	2	17400	Y	Y	17.07.2023
37	IC723 regulator	2	6400	Y	Y	17.07.2023
38	JFET	1	3300	Y	N	
39	cLASS B PUSH PULL	1	3300	Y	N	
40	CRO	2	47000	Y	Y	17.07.2023
41	Funn Generator	2	29000	Y	N	
42	power supply	4	12500	Y	N	
43	Hi/Fi Amp	1	2500	Y	N	
44	Digital multimeter	6	9500	Y	Y	17.07.2023
45	Analog multimeter	2	1300	Y	Y	17.07.2023
46	soldering gun	14	1500	Y	N	
47	LCR-Q Meter	1	14800	Y	Y	17.07.2023
48	Bistable multi	2	5000	Y	N	
49	IGBT Char	1	2000	Y	N	
50	IC Tester	1	7500	Y	Y	17.07.2023
51	Multimeter	4	1000	Y	Y	14.09.2023
52	Soldering Iron 250 W	2	300	Y	N	
53	Transistor	25	150	Y	N	
54	Capacitor	555	1500	Y	N	
55	Resistor	1000	500	Y	N	

Whether dead stock register / record maintained? Yes ok

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum Yes

**PROJECT LAB**

1	Computer	1	17698	Y	N	
2	Film Maker	1	17000	Y	N	
3	Coating Machine	1	23000	Y	N	
4	U V Exposure Unit	1	15000	Y	N	
5	Etching Machine	1	16000	Y	N	
6	PCB Billing Machine	1	31000	Y	N	
7	PCB Shearing Machine	1	21000	Y	N	
8	Chemicals for the Above Machines	1	25000	Y	N	
9	Sprint 5 PCB Layout Soft	1	17000	Y	N	
10	Red Lamp	1	1000	Y	N	
11	Magnifier Glass	1	150	Y	N	
12	Furniture	1	10000	Y	N	

Whether dead stock register / record maintained? Yes ok

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum Yes

**ELECTRICAL LAB**

1	DC Voltmeter (0-150-300V)	2	3300	Y	N	
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2	AC Voltmeter (0-300-600V)	2	3300	Y	N	
3	DC Voltmeter (0-5-10V)	2	3300	Y	N	
4	AC Voltmeter (0-150-300V)	2	3300	Y	N	
5	AC Voltmeter (0-5-10V)	2	3300	Y	N	
6	Auto Transformer (440V/0-470V, 15A)	1	22500	Y	N	
7	Connecting Lines GP 4 Patch Codes	2	90	Y	N	
8	Phase Transformer tapping on both side (230/230V,2KVA)	1	5400	Y	N	
9	Phase Transformer tapping on both side (230/230V,2KVA)	1	7800	Y	N	
10	Lamp Bank Loading Arrangment	1	13500	Y	N	
11	RLC All Parameter Terminals	1	1800	Y	N	
12	KVL All Parameter Terminals	1	1800	Y	N	
13	Maximum Power Transfer	1	1800	Y	N	
14	Accessories	1	1800	Y	N	
15	Furniture	1	10000	Y	N	

Whether dead stock register / record maintained?

Yes ok

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum

Yes

**DIGITAL TECHNIQUES LAB**

1	digital ic trainer	1	9800	Y	Y	21/7/23
2	Demorgons thm kit.	1	2250	Y	N	
3	Proove Nand and Nor gate	1	2250	Y	N	
4	Design Gray to binary convertor	1	3600	Y	N	
5	Half adder and half sub.	1	2250	Y	N	
6	verify operation of IC 74138,74154,74155.	1	1850	Y	N	
7	Verify Rs flip flop using Nand nor gate	1	1850	Y	N	
8	Design Asynchronous decade counter	1	5400	Y	N	
9	Basic logic gates using diode and transistor	1	2700	Y	N	
10	Demorgons thm.	1	2700	Y	N	
11	nand and nor gates as a universal gates	1	3600	Y	N	
12	half adder and full adder	1	2250	Y	N	
13	half sub and full sub.	1	3600	Y	N	
14	multiplexer using ic 74151	1	4500	Y	N	
15	Demultiplexer using ic 74155	1	4500	Y	N	
16	Rs flip flop using nand gates	1	3600	Y	N	
17	jk flip flop	1	3600	Y	N	
18	shift register	1	3600	Y	N	
19	ic 7490 decade counter	1	2700	Y	N	
20	kit of asynchronous counter	1	3600	Y	N	
21	7 segment display	2	3600	Y	N	
22	clock generator	1	5400	Y	N	
23	Bread boards	10	180	Y	N	
24	logic analyzer	1	63900	Y	Y	21/7/23

Whether dead stock register / record maintained?

Yes ok

Whether the laboratories are adequately equipped so as to conduct all the practical's as per MSBTE curriculum

Yes

**Curriculum**

Number of Weeks as per T-E Schemes		16
Number of weeks available up to date of Academic Monitoring		15
Number of Faculties using self developed Power Point /Flash Presentations/Readymade presentations as a teaching aid during imparting the instructions		100%
Theory subject lesson plan prepared & followed till date of Monitoring only		100 %
Practical plan prepared & followed till date of Monitoring only		100 %
Number of Lecture Practicals covered as per norms till date of Monitoring only		100 %
Conduct of refresher courses for direct 2nd year admitted students for acquiring pre-requisite technical knowledge to cater requirement of direct 2nd year subjects		Y
% Student feedback about satisfactory coverage of curriculum till date of Monitoring only		100 %

**Dept Curriculum Information**

Sr. No	Sem / Year	Sub Code	Sub Name	No of periods available from	No of periods Engaged	% of curriculum covered as per	Continuous Assessment
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				start of term up to the date of monitoring		T-E scheme	TW Y/N	PR Y/N
1	1	17001	ENGINEERING GRAPHICS - EGG	0	0	0		
2	1	17002	COMPUTER FUNDAMENTALS - CMF	0	0	0		
3	1	17005	BASIC WORKSHOP PRACTICE(ELECTRONICS GROUP) - WPX	0	0	0		
4	1	17101	ENGLISH - ENG	0	0	0		
5	1	17102	BASIC SCIENCE (PHYSICS) - BHY	0	0	0		
6	1	17103	BASIC SCIENCE (CHEMISTRY) - BCY	0	0	0		
7	1	17104	BASIC MATHEMATICS - BMS	0	0	0		
8	1	22001	FUNDAMENTALS OF ICT - ICT	0	0	0		
9	1	22003	ENGINEERING GRAPHICS - EGE	0	0	0		
10	1	22006	WORKSHOP PRACTICE - WPE	0	0	0		
11	1	22101	ENGLISH - ENG	0	0	0		
12	1	22102	BASIC SCIENCE - BSC	0	0	0		
13	1	22103	BASIC MATHEMATICS - BMS	0	0	0		
14	1	311001	FUNDAMENTALS OF ICT - ICT	8	8	100	Y	Y
15	1	311003	YOGA AND MEDITATION - YAM	8	8	100	Y	Y
16	1	311007	ENGINEERING WORKSHOP PRACTICE - EWP	32	32	100	Y	Y
17	1	311008	ENGINEERING GRAPHICS - EGP	32	32	100	Y	Y
18	1	311302	BASIC MATHEMATICS - BMS	16	16	100	Y	N
19	1	311303	COMMUNICATION SKILLS (ENGLISH) - ENG	24	24	100	Y	Y
20	1	311305	BASIC SCIENCE - BSC	32	32	100	Y	Y
21	1	901150	BASIC SCIENCE - BSI					
22	3	17020	PROGRAMMING IN 'C' - PIC	0	0	0		
23	3	17021	PROFESSIONAL PRACTICES-I - PPO	0	0	0		
24	3	17301	APPLIED MATHEMATICS - AMS	0	0	0		
25	3	17317	ELECTRONIC INSTRUMENTS & MEASUREMENT - EIM	0	0	0		
26	3	17318	ELECTRICAL ENGINEERING - EEN	0	0	0		
27	3	17319	ELECTRONICS DEVICES AND CIRCUITS - EDC	0	0	0		
28	3	17320	PRINCIPLES OF DIGITAL TECHNIQUES - PDT	0	0	0		
29	3	22320	DIGITAL TECHNIQUES - DTE	0	0	0		
30	3	22329	APPLIED ELECTRONICS - AEL	0	0	0		
31	3	22330	ELECTRIC CIRCUITS AND NETWORKS - ECN	0	0	0		
32	3	22333	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION - EMI	0	0	0		
33	3	22334	PRINCIPLES OF ELECTRONIC COMMUNICATION - PEC	0	0	0		
34	3	313002	ESSENCE OF INDIAN CONSTITUTION - EIC	15	15	100	Y	N
35	3	313011	BASIC PYTHON PROGRAMMING - BPP	30	31	100	Y	Y
36	3	313012	ELECTRONIC MEASUREMENTS & INSTRUMENTATION - EMI	30	30	100	Y	Y
37	3	313303	DIGITAL TECHNIQUES - DTE	45	45	100	Y	Y
38	3	313324	ANALOG ELECTRONICS - ATE	45	45	100	Y	Y
39	3	313325	CIRCUITS & NETWORKS - CKN	45	45	100	Y	Y
40	3	313326	PRINCIPLES OF ELECTRONIC COMMUNICATION - PEC	45	45	100	Y	Y
41	5	17066	EDP & PROJECT - EDP	0	0	0		
42	5	17067	PROFESSIONAL PRACTICES-III / INDUSTRIAL TRAINING (OPTIONAL) - PPT	0	0	0		
43	5	17075	BEHAVIOURAL SCIENCE - BSC	0	0	0		
44	5	17533	COMPUTER HARDWARE & NETWORKING - CHN	0	0	0		
45	5	17534	MICROCONTROLLER - MIC	0	0	0		
46	5	17535	DIGITAL COMMUNICATION - DCO	0	0	0		
47	5	17536	CONTROL SYSTEM & PLC - CSP	0	0	0		
48	5	17537	AUDIO VIDEO ENGINEERING - AVE	0	0	0		
49	5	22057	INDUSTRIAL TRAINING - ITR	42	42	100	Y	Y
50	5	22058	CAPSTONE PROJECT PLANNING - CPP	30	30	100	Y	Y
51	5	22447	ENVIRONMENTAL STUDIES - EST	45	45	100	Y	N
52	5	22531	CONTROL SYSTEMS AND PLC - CSP	60	60	100	Y	Y
53	5	22532	EMBEDDED SYSTEMS - ESY	45	45	100	Y	Y
54	5	22533	MOBILE AND WIRELESS COMMUNICATION - MWC	60	60	100	Y	Y
55	5	22534	INDUSTRIAL AUTOMATION - IAU					
56	5	22535	MICROWAVE AND RADAR - MAR	45	45	100	Y	Y

### Student Attendance

Sr. No	Sem/ Year	Subject Code	Subject Name	Avg Theory Attendance %	Avg Practical Attendance %
1	1	17001	ENGINEERING GRAPHICS		
2	1	17002	COMPUTER FUNDAMENTALS		
3	1	17005	BASIC WORKSHOP PRACTICE(ELECTRONICS GROUP)		
4	1	17101	ENGLISH		
5	1	17102	BASIC SCIENCE (PHYSICS)		
6	1	17103	BASIC SCIENCE (CHEMISTRY)		

7	1	17104	BASIC MATHEMATICS		
8	1	22001	FUNDAMENTALS OF ICT		
9	1	22003	ENGINEERING GRAPHICS		
10	1	22006	WORKSHOP PRACTICE		
11	1	22101	ENGLISH		
12	1	22102	BASIC SCIENCE		
13	1	22103	BASIC MATHEMATICS		
14	1	311001	FUNDAMENTALS OF ICT	86	90
15	1	311003	YOGA AND MEDITATION	90	90
16	1	311007	ENGINEERING WORKSHOP PRACTICE	88	90
17	1	311008	ENGINEERING GRAPHICS	89	90
18	1	311302	BASIC MATHEMATICS	90	-
19	1	311303	COMMUNICATION SKILLS (ENGLISH)	90	90
20	1	311305	BASIC SCIENCE	88	90
21	1	901150	BASIC SCIENCE		
22	3	17020	PROGRAMMING IN 'C'		
23	3	17021	PROFESSIONAL PRACTICES-I		
24	3	17301	APPLIED MATHEMATICS		
25	3	17317	ELECTRONIC INSTRUMENTS & MEASUREMENT		
26	3	17318	ELECTRICAL ENGINEERING		
27	3	17319	ELECTRONICS DEVICES AND CIRCUITS		
28	3	17320	PRINCIPLES OF DIGITAL TECHNIQUES		
29	3	22320	DIGITAL TECHNIQUES		
30	3	22329	APPLIED ELECTRONICS		
31	3	22330	ELECTRIC CIRCUITS AND NETWORKS		
32	3	22333	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION		
33	3	22334	PRINCIPLES OF ELECTRONIC COMMUNICATION		
34	3	313002	ESSENCE OF INDIAN CONSTITUTION	90	
35	3	313011	BASIC PYTHON PROGRAMMING	88	90
36	3	313012	ELECTRONIC MEASUREMENTS & INSTRUMENTATION	90	90
37	3	313303	DIGITAL TECHNIQUES	88	90
38	3	313324	ANALOG ELECTRONICS	87	89
39	3	313325	CIRCUITS & NETWORKS	89	90
40	3	313326	PRINCIPLES OF ELECTRONIC COMMUNICATION	90	89
41	5	17066	EDP & PROJECT		
42	5	17067	PROFESSIONAL PRACTICES-III / INDUSTRIAL TRAINING (OPTIONAL)		
43	5	17075	BEHAVIOURAL SCIENCE		
44	5	17533	COMPUTER HARDWARE & NETWORKING		
45	5	17534	MICROCONTROLLER		
46	5	17535	DIGITAL COMMUNICATION		
47	5	17536	CONTROL SYSTEM & PLC		
48	5	17537	AUDIO VIDEO ENGINEERING		
49	5	22057	INDUSTRIAL TRAINING	100	100
50	5	22058	CAPSTONE PROJECT PLANNING		90
51	5	22447	ENVIRONMENTAL STUDIES	89	90
52	5	22531	CONTROL SYSTEMS AND PLC	87	89
53	5	22532	EMBEDDED SYSTEMS	88	90
54	5	22533	MOBILE AND WIRELESS COMMUNICATION	89	90
55	5	22534	INDUSTRIAL AUTOMATION		
56	5	22535	MICROWAVE AND RADAR	88	90

### Result Analysis

For first term institute monitoring over all results of previous II, IV & VI semester examination to be entered and for second term, I, III, & V Semester results to be entered.

Sr. No	Sem/ Year	Appeared	Clear Passed	Failed	ATKT	% Passing
1	I	0	0	0	0	0.00
2	II	22	18	3	1	81.00
3	III	0	0	0	0	0.00
4	IV	28	21	4	3	75.00
5	V	0	0	0	0	0.00
6	VI	6	6	0	0	100.00
7	VII					
8	VIII					

### Mentoring of failed students.

Sr. No	Name	Action
1	Extra classes conducted	Yes
2	Question papers solved	Yes



3	Personal attention to average students	Yes				
4	Library facility provided	Yes				
Sr No.	Particulars	2021 – 22	2022 – 23	2023 – 24		
Retrospective Performance of Final Year Students Passed in 2023 – 24						
1	Number of Students with same enrollment number	23 (1st Year)	23 (2nd Year)	6 (Final Year)		
Performance of Final Year Students						
2	Total No of Final Year Students	31	19	6		
3	Average Result of Final Year of last 3 year Students	87%	86%	100%		
4	% of Final Year Students Passed in First Division	98%	43%	100%		
5	Campus Placement/No of Final Year Students Going for Higher Education	26	8	3		
7	No of Final Year Students Placed Through Self employment	% 10	% 10	% 50		
8	No of Students completing diploma program within stipulated period	% 55	% 87	% 26		
Percentage of Students admitted and appeared for the examination						
Year/Sem		Students Enrolled	Appeared for Exam	% of Students appeared for exams	Average percentage of Students appeared for exams	
1st year (1st & 2nd Semester)		23	20	87	92	
2nd year (3rd & 4th Semester)		23	22	96		
3rd year (5th & 6th Semester)		6	6	100		
Result and placements : Curriculum Implementation aspects						
Particular		Action				
Whether Attainment level target set by program		Yes				
Whether mapping of CO-PO with curricular and co-curricular activities done		Yes				
Whether attainment level calculated		Yes				
Whether attainment level achived		Yes				
Whether action taken report w.r.t gap analysis done		Yes				
Dept Resources						
Sr. No	Types Of learning Resources/Material	Nos. available	Nos. Added Current year	Total		
1	CD/DVD	50	6	56		
2	Powerpoint Presentations(PPTs)	30	5	35		
3	Flash Presentations	20	10	30		
4	LCD Projector	1	1	2		
5	Interactive Board	1	1	2		
6	Virtual Learning Center	0	0	0		
Remark / Any Other Equipment		OK				
Co-Curricular Activities						
Sr. No	Nature of Activity	Number Planned	Actual Arranged	Deficiency	Number of Beneficiaries	Remarks
1	Industrial /Hospital (for Pharmacy) Visits organised during last/ current* academic year.	4	4	0	50	
2	Industry Experts Lectures involved in academic activities of institute during last/ current* academic year.	3	3	0	65	
3	Industry Based Projects	2	2	0	8	
4	Learning Resources Development	2	2	0	70	
5	Industrial Trainings deputations	2	2	0	3	
6	Faculties attended trainings for soft skill, Content updation, Industrial Training, Orientation Workshop etc. in last/ current* academic year.	4	5	0	50	
7	Faculty Traninigs Organised	1	1	0	5	
8	Faculties deputed/sponsored for the improvement of academic qualification/Higher Education	1	1	0	1	
9	Project Paper Presentation	1	1	0	70	
10	Technical Quiz Participations	1	1	0	50	
11	Career Fair	1	1	0	100	
12	Project Institute	1	1	0	2	
13	Curriculum Development	2	2	0	50	Students Activity /Microproject Activity/Expert Faculty From Industriesundere
14	Any other social activities ♦ Earn and learn/ NSS/ NCC/ Community services/Student welfare fund etc.	2	2	0	50	

15	Programs Conducted for Personality Development during last/current* year	2	2	0	60	
16	Participation in Sports (IDSSA) / IPA/APTI for <i>Pharmacy</i>	1	1	0	04	
17	MOUs with Industry for Participation in Academic Development of the Department	5	7	0	70	
18	Organizing Technical Quiz / Seminar / Paper Presentation / Project Competition event last / current* year	2	2	0	70	
19	Any Other	1	1	0	5	Speech Competition/Essay Writing
20	Social activities, like Blood donation camp/ tree plantation etc.	2	3	0	75	
21	Industry sponsored Final year projects of the students (Min 2)	2	2	0	2	
22	Application oriented Final year projects of the students (Min 2)	2	2	0	2	
23	Study based Final year projects of the students	0	0	0	0	
24	Vacation training organised for students (4 to 6 weeks per year)	1	1	0	28	
25	Budget allocation and utilisation (Recurring, Non-recurring & Maintenance) for previous financial year (Rs Lakhs)	45	45	0	35	

#### Any Other Information

1)Project Report Document Preparation Through LATEX 2) For Effective Knowledge and Hand On for Students Work Shop Conducted 3)For Effective Communication Conduct Seminar 4)Extra classes is conducted for direct second year students. 5)Special guidance for innovative project. 6)Social awareness-Visit old Orphan Center activity was conducted. special attention is given to student development activity 7) full financial assistance to new innovative idea/Micro Project preparation, on PCB design LAB 08)Marathi content development (Support from e Content Provide by MSBTE) 09) More attention given academic weak student 10)For Physical Fitness- Conduct Session on it. 11)Paper Published Under Project Planning 12)Apply Various New Trends FDP

<b>Department Information Fill Date</b>		09/11/2024 11:30:07 AM
<b>Date: 11/11/2024 06:10:12 PM</b>	<b>Seal</b>	<b>Signature</b> <b>0992-Samrath Polytechnic City:Junnar , District:Pune RBTE :Pune</b> <b>Dept-Electronics &amp; Tele-Communication Engineering</b>