ADISE & SHINE

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

B. Tech. Scheme of Examination & Syllabus 2022-23

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

SEMESTER V

Sr	Course Categor	Course	Course Title	\$	Hou s per Vee	r	Credit s	S		Marks
No	y	Code		L	Т	P		t	Examinatio n	Total
1	PCC	22ET501T	Microprocessor and Microcontroller	3	-	-	3	30	70	100
2	PCC	22ET501P	Microprocessor and Microcontroller Lab	-	-	2	1	25	25	50
3	PCC	22ET502T	Object Oriented Programming and Data Structures	2	1	-	2	15	35	50
4	PCC	22ET502P	Object Oriented Programming and Data Structures Lab		-	2	1	25	25	50
5	PCC	22ET503T	Analog and Digital Communication	3	-		3	30	70	100
6	PCC	22ET503P	Analog and Digital Communication Lab	-	1	2	1	25	25	50
7	VEC	22H104T	Foundational Humanities Elective	2	-	-	0	Audit		
8	PEC	22ET504T	Professional Elective - I	2	-	-	2	15	35	50
9	OE	22ET561O	Open Elective I	3	1	-	3	30	70	100
10	VEC	22AS501T	Economics and Management	3	-	-	3	30	70	100
11	AEC	22AS502T	English for Engineers	2	-	-	2	15	35	50
12	VSC	22ET505P	Technical Skill Development**	-	1	2	1	50		50
13	SEC	22ET506T	Career Development-III	2	-	-		Audit		
	TP 1	. 101.11	Total	22	T 1	8	22	290	460	750

Technical Skill Development – Desirable to have Industry skill enhancement

Profe	ssional Elective – I	Ope	en Elective – I	Foundational Humanities Elective		
22ET504T(i)	PE-I Antenna and Wave Propagation	22ET561O	OE-I Industrial Applications of Microcontrollers	22H104	Development of Societies	
22EE504T(ii)	PE-I Computer Communication Networks			22H104	Philosophy	

Hes	wahpande	July 2024	1.0	Applicable for	
Chairman - BoS	Dean – Academics	Date of Release	Version	2024-25	



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

B. Tech. Scheme of Examination & Syllabus 2022-23

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

SEMESTER VI

Sr	Course	Course	Course Title		Hours per Week		Credits	Maximum Marks		
No	Category	Code			Т	P		Continual Assessment	End Sem Examination	Total
1	PCC	22ET601T	Digital Signal Processing	3	-	-	3	30	70	100
2	PCC	22ET601P	Digital Signal Processing Lab	-	-	2	1	25	25	50
3	PCC	22ET602T	Digital Systems Design	3	-	-	3	30	70	100
4	PCC	22ET602P	Digital Systems Design Lab	-	-	2	1	25	25	50
5	PEC	22ET603T	Professional Elective - II	3	-	-	3	30	70	100
6	PEC	22ET604T	Professional Elective - III	3	-	-	3	30	70	100
7	OE	22ET661O	Open Elective-II	3	-	-	3	30	70	100
8	ELC	22ET606P	Project – I	-	-	4	2	50	50	100
9	SEC	22ET607P	Career Development*	-	-	2	0	50		50
10	SEC	22ET608P	Comprehensive Course – I **	-	-	2	1	50		50
			Total	15		12	20	350	450	800

Profession	nal Elective – II	Profess	ional Elective – III	Open Elective-II		
22ET603T(i)	PE-II Wireless	22ET604T(i)	PE- III Biomedical	22ET661O	OE-II Consumer	
	Communication		Instrumentation		Electronics	
			Engineering			
22ET603T(ii) PE-II Wireless		22ET604T(iii)	PE- III Internet of things			
Sensor Networks						
22ET603T(iii) PE-II Optical		22ET603T(iii)	PE- III Introduction to			
Communication			information theory and			
			coding			

Hes	wahpande	July 2024	1.0	Applicable for	
Chairman - BoS	Dean – Academics	Date of Release	Version	2024-25	