ARISE & SHINE

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

ACCREDITED BY NAAC WITH 'A' Grade

PROGRAMME SCHEME & SYLLABI 2021 – 2022

First Year (Semester I and II)

ST VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY
ACADEMIC OFFICE

Credit Structure for Undergraduate programs

Sr. No	Category	Credits	AICTE Norms
1	Humanities, Social Sciences & Management courses	15	15
2	Basic Science courses	24	25
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.	18	24
4	Professional core courses		48
5	Professional Elective courses relevant to chosen specialization/branch		18
6	Open subjects – Electives from other technical and /or emerging subjects	18	18
7	Project work, seminar and internship in industry or elsewhere		15
8	Mandatory Courses [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Knowledge Tradition]	0	0
9	Comprehensive Courses [Industry Training and Skill Development, Capstone Course]	4	0
	TOTAL	Max - 170	

ANNEXURE – I

Teaching Scheme for First Year (Semester I and II)
Bachelor of Technology

GROUP 1: SEMESTER I / GROUP 2: SEMESTER II

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	AS101T	Engineering Physics & Material Sciences	4	1	-	5	30	70	100
2	AS101P	Engineering Physics & Material Sciences Lab	-	-	2	1	25	25	50
3	AS102T	Applied Mathematics – I	3	1	-	4	30	70	100
4	AS103T	Engineering Practices-I (Electrical & Electronics)	4		-	4	30	70	100
5	AS103P	Engineering Practices-I Lab(Electrical & Electronics)	-	-	2	1	25	25	50
6	AS104T	Logic building with C	3	-		3	30	70	50
7	AS104P	Logic building with C Lab			2	1	25	25	50
8	AS105T	Communication Skills-I	2	-	-	2	15	35	50
9	AS105P	Communication Skills-I Lab			2	1	25	25	50
10	AS106P	Sports & Yoga			2	0			
11	AS107P	Skill development (Emerging technologies)			2	0			
Total			**16**	**2**	**12**	**22**	**235**	**415**	**650**

Induction Program - 3 weeks

Teaching Scheme for First Year (Semester I and II)
Bachelor of Technology
GROUP 1: SEMESTER II / GROUP 2: SEMESTER I

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	AS201T	Engineering Chemistry & Environmental Science	4	1	-	5	30	70	100
2	AS201P	Engineering Chemistry & Environmental Science Lab	-	-	2	1	25	25	50
3	AS202T	Applied Mathematics – II	3	1	-	4	30	70	100
4	AS203T	Engineering Practices-II (Civil & Mechanical)	4		-	4	30	70	100
5	AS203P	Engineering Practices-II Lab(Civil & Mechanical)	-	-	2	1	25	25	50
6	AS204T	Problem Solving with Python	3	-	-	3	30	70	100
7	AS204P	Problem Solving with Python Lab	-	-	2	1	25	25	50
8	AS205T	Essence of Indian Knowledge Tradition	2			0			
9	AS206T	Communication Skills-II	2	-	-	2	15	35	50
10	AS206P	Communication Skills-II Lab			2	1	25	25	50
11	AS207P	Tinkering & Model Lab			2	0			
Total			**18**	**2**	**10**	**22**	**235**	**415**	**650**

* Induction Program – 3 weeks