



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

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

M.Tech. Scheme of Examination & Syllabus 2026-27

STRUCTURAL ENGINEERING

SEMESTER II

Sr. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks			
				L	T	P		Continual Assessment	End Sem Examination	Minimum Passing Marks	Total
1	PCC	26SE201T	Finite Element Method	4	-	-	4	40	60	50	100
2	PCC	26SE201P	Finite Element Method Lab	-	-	4	2	25	25	25	50
3	PCC	26SE202T	Advanced Construction Materials and Techniques	4	-	-	4	40	60	50	100
4	PCC	26SE203T	Structural Dynamics	4	-	-	4	40	60	50	100
5	PCC	26SE203P	Structural Dynamics Lab	-	-	4	2	25	25	25	50
6	ELC	26SE204T	Research Methodology and Intellectual Property Rights	4	-	-	4	40	60	50	100
7	PEC	26SE205T	Program Elective - II (Refer PE Basket)	4	-	-	4	40	60	50	100
Total				20	-	8	24	250	350	-	600

		July 2026	2.0	Applicable for 2026-27
Chairman - BoS	Dean - Academics	Date of Release	Version	



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Semester	Hours per Week			Credits	Maximum Marks		
	L	T	P		Continual Assessment	End Sem Examination	Total
First Semester	20	-	8	24	250	350	600
Second Semester	20	-	8	24	250	350	600
Third Semester	8	-	16	16	130	170	300
Fourth Semester	-	-	32	16	100	100	200
Total	48	-	64	80	730	970	1700

Basket for Program Elective

Semester	Course Category	Course Code	Name of Course	Credits
I	PEC	26SE105T(i) 26SE105T(ii) 26SE105T(iii)	Theory of Elasticity & Elastic Stability Advanced Steel Structures Design of Environmental Structures	4
II	PEC	26SE205T(i) 26SE205T(ii) 26SE205T(iii)	Design of High Rise Structures Bridge Engineering Advanced Earthquake Design	4
III	PEC	26SE301T(i) 26SE301T(ii) 26SE301T(iii)	Advanced Foundation Design Structural Health Monitoring Retrofitting and Rehabilitation of Structures	4
III	PEC	26SE302T(i) 26SE302T(ii) 26SE302T(iii)	Sustainable Construction and Demolition Engineering Theory of Plates and Shells Smart Structures and Application	4

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