



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

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

M. Tech. Scheme of Examination & Syllabus 2025-26

EMBEDDED SYSTEMS AND VLSI DESIGN



SEMESTER III

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Total
			L	T	P		Continuous Assessment	End Sem Examination	
1	26ET301T	Research Methodology*	3	-	3	3	40	60	100
2	26ET302P	Internship	-	-	24	12	100	100	200
Total			3	-	24	15	140	160	300

* Course to be conducted online through NPTEL. The course will be notified one month prior to the commencement of the semester

SEMESTER IV

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Total
			L	T	P		Continuous Assessment	End Sem Examination	
1	26ET402P	Project 2	-	-	30	15	150	150	300
Total			-	-	30	15	150	150	300

		June 2026	1.0	Applicable for 2026-27
Chairman - BoS	Dean – Academics	Date of Release	Version	



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

EMBEDDED SYSTEMS AND VLSI DESIGN

THIRD SEMESTER

Course Code	Course Name	Th	Tu	Pr	Credits	Evaluation		
						CA	ESE	Total
26ET302P	Internship	-	-	24	12	100	100	200

Course Objectives	Course Outcomes
<ol style="list-style-type: none">Gain hands-on experience with industry-standard tools, technologies, and design methodologies.Develop professional skills such as teamwork, communication, project management, and ethical practices.Analyze, implement, and document engineering solutions in an industrial or research environment.	<p>Upon successful completion of the internship, the student will be able to:</p> <ol style="list-style-type: none">Apply Embedded Systems and VLSI Design concepts and techniques to address practical engineering challenges.Utilize modern hardware/software tools and industry practices for the development, testing, and validation of engineering solutions.Demonstrate professional competency through effective teamwork, communication, and adherence to ethical and organizational standards.Prepare technical reports and present project outcomes effectively, demonstrating the ability to document and communicate engineering work.

The internship of 90 working days is mandatory at the relevant Industry

		June 2026	1	Applicable for 2026-27
Chairman - BoS	Dean – Academics	Date of Release	Version	