

NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL'S
NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING
AND TECHNOLOGY

AN AUTONOMOUS INSTITUTE | UNDER ADMINISTRATIVE SUPPORT OF PCET



**Curriculum Structure
of
Fourth Year B. Tech.
Information Technology (2025 Pattern)**



CURRICULUM STRUCTURE

Fourth Year B. Tech. (Information Technology) Semester – VII

Level 6.0																		
Fourth Year B. Tech Information Technology																		
Semester VII																		
Sl. No.	Course Code	Course Type	Course Name	Credit Scheme			Teaching Scheme (Hours/Week)			Examination Scheme and Marks								
				TH	TUT	PR	L	T	P	UT	FA	SA	PR	OR	TW	TOTAL		
										25	25	50						
1	IT25PCC-401	Programme Core Course	Distributed System	2			3			25	25	50				100		
2	IT25PCC-402	Programme Core Course	Distributed System LAB			2			4					25		25	50	
3	IT25PCC-403	Programme Core Course	Generative Artificial Intelligence	2			2			25	25	50				100		
4	IT25PCC-404	Programme Core Course	Generative Artificial Intelligence LAB			2			4					25		25	50	
5	IT25PEC-405	Programme Elective Course	Programme Elective Course -IV	3			3			25	25	50				100		
6	IT25PEC-406	Programme Elective Course	Programme Elective Course Lab-IV			1			2					25	25	50		
7	IT25ELC-407	Experiential Learning/Internship/OJT	Internship			6			12					100	100	200		
8	IT25ELC-408		Project Stage I			2			4					50	50	100		
TOTAL				7		13	7		26		75	75	150	50	175	225	750	
				20			33											

CCE- Comprehensive Continuous Evaluation, **ESE**- End Semester Evaluation, **TW**-Term Work, **OR**-Oral, **PR**-Practical, **TH**-Theory, **L**-Lecture, **T/TUT**-Tutorial, **UT**- Unit Test, **FA**-Formative Assessment, **SA** - Summative Assessment

Basket: List of Courses - Programme Elective Course-IV

Course Code	Course Name	
IT25PEC-405-A	AIML for Gamming	Choose Any One
IT25PEC-405-B	Cloud Security and Forensics	
IT25PEC-405-C	Wearable Computing	

CURRICULUM STRUCTURE

Fourth Year B. Tech. (Information Technology) Semester - VIII

Level 6.0																				
Fourth Year B. Tech Information Technology																				
Sl. No.	Course Code	Course Type	Course Name	Credit Scheme			Teaching Scheme (Hours/Week)			Examination Scheme and Marks										
										CCE	ESE	PR	OR	TW	TOTAL					
				TH	TUT	PR	L	T	P	UT	FA	SA								
1	IT25PCC-451	Programme Core Course	High Perfomance Computing	2			2			25	25	50				100				
2	IT25PCC-452	Programme Core Course	High Perfomance Computing LAB			2			4				25	25	25	50				
3	IT25PEC-453	Programme Elective Course	Programme Elective Course -V	3			3			25	25	50				100				
4	IT25PEC-454	Programme Elective Course	Programme Elective Course Lab-V			1			2				25	25	25	50				
5	IT25MDM-455	Multidisciplinary Course	Wireless Sensor Network	2			2			25	25	50				100				
6	IT25MDM-456	Multidisciplinary Course	Wireless Sensor Network LAB			2			4					25	25	50				
7	IT25ELC-457	Experiential Learning Course /Internship/ OJT	Internship			4			8					100	50	150				
8	IT25ELC-458		Research Methodology-II			2			4						50	50	50			
9	IT25ELC-459		Project Stage- II			2			4					50	50	100				
TOTAL				7		13	7		26				75	75	150	50	175	225	750	

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Basket: List of Courses - Programme Elective Course-V

Course Code	Course Name	
IT25PEC-453-A	Semantic Search and knowledge	Choose Any One
IT25PEC-453-B	Agile Project Management	
IT25PEC-453-C	Digital Image Processing	