

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						
										CCE		ESE	PR	OR	TW	TOTAL
				TH	TUT	PR	L	T	P	UT	FA	SA				
				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	Choose Any One
IT25PEC-405-A	AIML for Gaming	
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																	
Semester VIII																	
Sl. No.	Course Code	Course Type	Course Name	Credit Scheme			Teaching Scheme (Hours/Week)			Examination Scheme and Marks							
										CCE		ESE	PR	OR	TW	TOTAL	
				UT	FA	SA											
				25	25	50											
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	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	50	
5	IT25MDM-455	Multidisciplin ary Course	Wireless Sensor Network	2			2			25	25	50				100	
6	IT25MDM-456	Multidisciplin ary 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
9	IT25ELC-459		Project Stage- II			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-V**

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