



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR



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

B. Tech. Scheme of Examination & Syllabus 2023-24

ARTIFICIAL INTELLIGENCE

SEMESTER III

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
				L	T	P		Continual Assessment	End Sem Examination	Total
1	BSC	23AI301T	Applied Mathematics – III	3		-	3	30	70	100
2	PCC	23AI302T	Data Structures	3	-	-	3	30	70	100
3	PCC	23AI302P	Data Structures Lab	-	-	4	2	25	25	50
4	PCC	23AI303T	Fundamentals of Artificial Intelligence	3		-	3	30	70	100
5	PCC	23AI303P	Fundamentals of Artificial Intelligence Lab	-	-	2	1	25	25	50
6	PCC	23AI304T	Computer Networking	3		-	3	30	70	100
7	PCC	23AI305T	Modern Computer Architecture	3		-	3	30	70	100
8	PCC	23AI306P	Object Oriented Programming Lab	-	-	2	1	25	25	50
9	SEC	23AI307P	Career Development III	-	-	2	1	50	-	50
10	VEC	23ES301T	Value Education Course I	2	-	-	2	15	35	50
11	ELC	23AI308P	Micro Project I*	-	-	2	1	50	-	50
12	MDM	23AI331M	MDM – I (Responsible AI)	2	-	-	2	15	35	50
Total				19	0	12	25	355	495	850

		July 2024	1.0	Applicable for 2024-25
Chairman - BoS	Dean – Academics	Date of Release	Version	



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ARTIFICIAL INTELLIGENCE

SEMESTER IV

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
				L	T	P		Continual Assessment	End Sem Examination	Total
1	BSC	23AI401T	Discrete Mathematics	3	-	-	3	30	70	100
2	PCC	23AI402T	AI Principles & Techniques	3	-	-	3	30	70	100
3	PCC	23AI402P	AI Principles & Techniques Lab	-	-	2	1	25	25	50
4	PCC	23AI403T	Database management Systems	3	-	-	3	30	70	100
5	PCC	23AI403P	Database management Systems Lab	-	-	2	1	25	25	50
6	PCC	23AI404T	Theory of Computation	3	-	-	3	30	70	100
7	OE	23AI405T	Open Elective – I	2	-	-	2	15	35	50
8	VSC	23AI406T	Technical Skill Development - I	2	-	-	2	50	-	50
9	VEC	23ES401T	Value Education Course - II	2	-	-	2	15	35	50
10	SEC	23AI407T	Career Development - IV		-	2	1	50	-	50
11	ELC	23AI408P	Micro Project II*			2	1	50	-	50
Total				18	0	8	22	350	400	750
12	MDM	23AI431M	MDM –II (Data Centric AI)	3	-	-	3	30	70	100
Total				21	0	8	25	380	470	950

* Field Project or Community engagement project in the major discipline

23AI461O	Open Elective – I
23AI461O(i)	OE-I Web Technologies
23AI461O(ii)	OE-I Mobile Application Development

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