			st Year	ring Programme (Batch 2024-28)	
	Semester – I			Semester - II	
S. No.	Course	Credits	S. No.	Course	Credit
1	Calculus	4	1	Linear Algebra and Differential Equations	4
2	Physics	4	2	Quantum and Statistical Physics	3
3	Elements of Biology	3	3	English Communication	1
4	Programming for Problem Solving	4	4	Basic Electrical and Electronics Engineering	3
5	Engineering Graphics and Design	3	5	Management Accounting for Engineers	2
6	Professional Ethics	1	6	Environmental Science	2
7	Constitution of India	0	7	Digital Manufacturing Laboratory	1
8	Critical Thinking	0	8	Electrical and Electronics Workshop	1
	gradus ramang		9	Design Thinking	0
			10	Python Programming	1
	Total	19	10	Total	18
	Total		nd Year	Iotai	10
	Semester – III	Secon	lu i cai	Semester - IV	
S. No.	Course	Credits	S. No.	Course	Credit
1	Probability and Statistics	3	1	Complex Variables and Transforms	4
1	1 100ability and Statistics		1	Computer Organization and	
2	Discrete Mathematics	3	2	Architecture	3
3	Technical Communication	1	3	Design and Analysis of Algorithms	3
4	Principles of Economics and Management	3	4	Database Management Systems	3
5	Digital Logic Design	3	5	Microprocessor and Microcontroller	4
6	Data Structures and Algorithms	4	6	Theoretical Computer Science	3
7	Computer Networks	3	7	Web Programming	3
8	Data Extraction and Processing	2	8	Object Oriented Programming through JAVA	1
9	Community Service	0			
	Total	22		Total	24
		Thir	d Year		
	Semester – V			Semester - VI	
S. No.	Semester – V	Credits	S. No.	Semester - VI Course	Credit
S. No.	Course	Credits 3	S. No.	Course	Credit
1	Course Software Engineering	3	1	Course Cyber Security	3
	Course Software Engineering Artificial Intelligence		1	Course Cyber Security Distributed Computing	
1 2	Course Software Engineering	3	1 2	Course Cyber Security	3
1 2 3 4	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems	3 3 3 3	1 2 3 4	Course Cyber Security Distributed Computing Machine Learning Department Elective II	3 3 3 3
1 2 3 4 5	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I	3 3 3 3 3	1 2 3 4 5	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III	3 3 3 3 3
1 2 3 4	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I	3 3 3 3	1 2 3 4	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III	3 3 3 3 3 3
1 2 3 4 5 6	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I	3 3 3 3 3 3	1 2 3 4 5 6	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III Open Elective IV	3 3 3 3 3
1 2 3 4 5 6	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II	3 3 3 3 3 3 3	1 2 3 4 5 6 7	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III Open Elective IV Interpersonal Skills	3 3 3 3 3 3 3
1 2 3 4 5 6	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I	3 3 3 3 3 3 3	1 2 3 4 5 6 7 8	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III Open Elective IV	3 3 3 3 3 3 3
1 2 3 4 5 6	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II	3 3 3 3 3 3 3	1 2 3 4 5 6 7	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III Open Elective IV Interpersonal Skills	3 3 3 3 3 3 3
1 2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II	3 3 3 3 3 3 3	1 2 3 4 5 6 7 8	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII	3 3 3 3 3 3 1 22
1 2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII	3 3 3 3 3 3 3 7	1 2 3 4 5 6 7 8	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective III Open Elective IV Interpersonal Skills Total	3 3 3 3 3 3 1 22
2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII Course Cloud Computing	3 3 3 3 3 3 3 Four	1 2 3 4 5 6 7 8 th Year	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII Course	3 3 3 3 3 3 1 22
1 2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII Course Cloud Computing Department Elective IV	3 3 3 3 3 3 3 Four	1 2 3 4 5 6 7 8 th Year	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII Course	3 3 3 3 3 3 1 22 Credit
1 2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII Course Cloud Computing Department Elective IV Department Elective V	3 3 3 3 3 3 5 21 Four Credits 3 3 3	1 2 3 4 5 6 7 8 th Year	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII Course	3 3 3 3 3 3 1 22 Credit
1 2 3 4 5 6 7 8. No. 1 2 3 4	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII Course Cloud Computing Department Elective IV Department Elective V Department Elective VI	3 3 3 3 3 3 4 Four Credits 3 3 3 3 3	1 2 3 4 5 6 7 8 th Year	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII Course	3 3 3 3 3 3 1 22 Credit
1 2 3 4 5 6 7	Course Software Engineering Artificial Intelligence Image and Video Processing Operating Systems Department Elective I Open Elective I Open Elective II Total Semester – VII Course Cloud Computing Department Elective IV Department Elective V	3 3 3 3 3 3 5 21 Four Credits 3 3 3	1 2 3 4 5 6 7 8 th Year	Course Cyber Security Distributed Computing Machine Learning Department Elective II Department Elective III Open Elective IV Interpersonal Skills Total Semester - VIII Course	3 3 3 3 3 3 1 22 Credit

Total number of Courses 57
Total Credits for the Programme 155