

Semester I

Sr. No.	Category	Course Name	Teaching Scheme				Cr	Evaluation Scheme						
			L	T	P	H		IE	MTE	ETE	TW	PR	OR	Total
1	MAJ	Linear Algebra & Univariate Calculus	3	1	–	4	4	20	20	60	50	–	–	150
2	MIN	Engineering Physics	3	–	–	3	3	20	20	60	–	–	–	100
3	MAJ	Basic Electrical & Electronics Engineering	3	–	–	3	3	–	–	–	50	–	–	50
4	SEC	Computer Programming – I	1	–	–	1	1	20	20	60	–	–	–	100

5	OE	Open Elective – I	3	–	–	3	3	–	–	–	50	–	–	50
6	MIN	Engineering Physics Lab	–	–	1	2	1	20	20	60	–	–	–	100
7	MAJ	Basic Electrical & Electronics Engineering Lab	–	–	1	2	1	–	–	–	30	–	20	50
8	SEC	Computer Programming Lab I	–	–	2	4	2	20	20	–	–	–	–	40
9	AEC	HSMC – I	–	–	1	2	1	–	–	–	20	40	–	60
10	VAC	Life Skill-I	–	–	1	2	1	–	–	–	50	–	–	50
Total			13	01	6	26	20							750

Semester II

Sr. No.	Category	Course Name	Teaching Scheme				Cr	Evaluation Scheme						
			L	T	P	H		IE	MTE	ETE	TW	PR	OR	Total
1	MAJ	Multivariate Calculus	3	1	–	4	4	20	20	60	50	–	–	150
2	MAJ	Engineering Chemistry	3	–	–	3	3	20	20	60	–	–	–	100
3	MIN	Engineering Graphics	2	–	–	2	2	–	–	–	50	–	–	50
4	SEC	Computer Programming – I	1	–	–	1	1	20	20	60	–	–	–	100
5	MAJ	Engineering Chemistry Laboratory	–	–	1	2	1	–	–	–	50	–	–	50
6	OE	Open Elective – II	3	–	–	3	3	20	20	60	–	–	–	100

7	MIN	Engineering Graphics Laboratory	–	–	2	4	2	–	–	–	30	–	20	50
8	AEC	HSMC – II	–	–	1	2	1	20	20	–	–	–	–	40
9	SEC	Computer Programming Lab I	–	–	2	4	2	–	–	–	20	40	–	60
10	VAC	Life Skill-II	–	–	1	2	1	–	–	–	50	–	–	50
Total			12	01	7	27	20							750

Semester III

		Semester – III	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Data Science	3	–	–	3	3
2	MIN	Discrete Mathematics	3	1	–	4	4
3	MAJ	Data Structures	3	–	–	3	3
4	OE	Open Elective – III	3	–	–	3	3
5	SEC	Proficiency Foundation Course – I	1	–	–	1	1
6	MAJ	Data Science Lab	–	–	1	2	1
7	MAJ	Data Structures –Lab	–	–	1	2	1
8	AEC	HSMC – III	–	–	1	2	1
9	SEC	Proficiency Foundation Course – I Lab	–	–	2	4	2
10	VAC	Life Skill-III	–	–	1	2	1
Total			13	01	6	26	20

Semester IV

		Semester – IV	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Artificial Intelligence	3	–	–	3	3
2	MAJ	MAchine Learning	3	–	–	3	3
3	MIN	Object Oriented Programming with JAVA	2	–	–	2	2
4	MIN	Database Management System	2	–	–	2	2
5	MAJ	Artificial Intelligence Lab –Lab	–	–	2	4	2
6	MAJ	Machine Learning Lab	–	–	2	4	2
7	MIN	Object Oriented Programming–Lab	–	–	1	2	1
8	MIN	Database Management System Lab	–	–	1	2	1
9	AEC	HSMC – IV	–	–	1	2	1
10	SEC	Proficiency Foundation Course – II Lab	–	–	2	4	2
11	VAC	Life Skill-IV	–	–	1	2	1
Total			10	–	10	30	20

Semester V

		Semester – V	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Computer Vision	3	–	–	3	3
2	MAJ	Deep Learning	3	–	–	3	3
3	MIN	Design and Analysis of Algorithms	2	–	–	2	2
4	MIN	Elective – I	2	–	–	2	2
5	MAJ	Computer Vision Lab	–	–	2	4	2
6	MAJ	Deep Learning Lab	–	–	2	4	2
7	MIN	Design and Analysis of Algorithms Lab	–	–	1	2	1
8	MIN	Elective – I Lab	–	–	1	2	1
9	AEC	HSMC – V	–	–	1	2	1
10	SEC	Proficiency Foundation Course – III Lab	–	–	2	4	2
11	VAC	Life Skill-V	–	–	1	2	1
Total			10	00	10	30	20

Semester VI

		Semester – VI	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Big Data Analytics	3	–	–	3	3
2	MAJ	Natural Language Processing	3	–	–	3	3
3	MIN	Computer Networks & Internet of Things	2	–	–	2	2
4	MIN	Elective – II	2	–	–	2	2
5	MAJ	Big Data Analytics Lab	–	–	2	4	2
6	MAJ	Natural Language Processing Lab	–	–	2	4	2
7	MIN	Computer Networks & Internet of Things Lab	–	–	1	2	1
8	MIN	Elective – II Lab	–	–	1	2	1
9	AEC	HSMC – VI	–	–	1	2	1
10	SEC	Proficiency Foundation Course – IV Lab	–	–	2	4	2
11	VAC	Life Skill-VI	–	–	1	2	1
Total			10	00	10	30	20

Semester VII

		Semester – VII	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Soft Computing and Optimization Algorithms	3	–	–	3	3
2	MAJ	Robotics & Intelligent Systems	3	–	–	3	3
3	MIN	Elective – III	2	–	–	2	2
4	MIN	Elective – IV	2	–	–	2	2
5	MAJ	Soft Computing and Optimization Algorithms Lab	–	–	2	4	2
6	MAJ	Robotics & Intelligent Systems Lab	–	–	2	4	2
7	MIN	Elective – III Lab	–	–	1	2	1
8	MIN	Elective – IV Lab	–	–	1	2	1
9	INTR	Internship	–	–	4	8	4
Total			10	–	10	30	20

Semester VIII

		Semester – VIII	Teaching Scheme				
Sr. No.	Category	Course Name	L	T	P	H	Cr
1	MAJ	Time series analysis and Forecasting	3	–	–	3	3
2	MIN	Elective – V	2	–	–	2	2
3	MAJ	Time series analysis and Forecasting Lab	–	–	2	4	2
4	MIN	Elective – V Lab	–	–	1	2	1
5	PROJ	Project	–	–	12	24	12
Total			5	00	15	35	20