Course Structure: B.Tech. (Valid for students admitted from year 2023 onwards)
First Year-All Branches (Section A, B, C)

Notes:

1. A minimum of four of the Programme Elective/Open Elective courses, has to be taken from courses available on online platforms such as MOOCS, SWAYAM, NPTEL etc., as decided by the concerned Department/Centre.
2. Audit courses of II Year onwards can be off line courses or they can be taken from courses available on online platforms. One of the audit courses has to be in any of the foreign languages.
3. The Industrial Training/Internship can be undertaken during the vacations, however, the evaluation of the same shall be held in the 8th Semester.

Semester 1:

S.No.	Couse Category	Course No.	Course title	Contact Periods			Credits	Marks			Total	Pre-Requisite Courses
				L	T	P		Couse Work	Mid-Sem	End-Sem		
1	BS	AMS1112	Applied Mathematics-I	3	1	0	4	15	25	60	100	
2	BS	APS1112	Applied Physics	3	1	0	4	15	25	60	100	
3	ESA	ELA1112	Principles of Electronics Engineering	2	1	0	3	15	25	60	100	
4	ESA	MEA1122	Engineering Mechanics	2	1	0	3	15	25	60	100	
5	HM	EZH1112	English	2	1	0	3	15	25	60	100	
6	BS	APS1912	Applied Physics Lab	0	0	3	1.5	60		40	100	
7	ESA	MEA1922	Engineering Workshop	0	1	2	2	60		40	100	
8	HM	EZH1912	Communication Skills Lab	0	1	2	2	60		40	100	

TOTAL CREDITS: 22.5

Semester 2:

S.No.	Couse Category	Course No.	Course title	Contact Periods			Credits	Marks			Total	Pre-Requisite Courses
				L	T	P		Couse Work	Mid-Sem	End-Sem		
1	BS	AMS1122	Applied Mathematics-II	3	1	0	4	15	25	60	100	
2	BS	ACS1112	Applied Chemistry	3	1	0	4	15	25	60	100	
3	ESA	EEA1112	Principles of Electrical Engineering	2	1	0	3	15	25	60	100	
4	AU	CEU1112	Environmental Studies (Audit Course)	3	0	0	0	15	25	60	100	
5	ESA	MEA1112	Thermal Sciences	3	1	0	4	15	25	60	100	
6	BS	ACS1912	Applied Chemistry Lab	0	0	3	1.5	60		40	100	
7	ESA	COA1912	Computer Programming Lab	0	1	2	2	60		40	100	
8	ESA	MEA1912	Engineering Graphics Lab	1	0	2	2	60		40	100	

TOTAL CREDITS: 20.5   **TOTAL I YEAR CREDITS: 43**

Course Structure: B.Tech. (Valid for students admitted from year 2023 onwards)
First Year-All Branches (Section D, E, F)

Notes:

1. A minimum of four of the Programme Elective/Open Elective courses, has to be taken from courses available on online platforms such as MOOCS, SWAYAM, NPTEL etc., as decided by the concerned Department/Centre.
2. Audit courses of II Year onwards can be off line courses or they can be taken from courses available on online platforms. One of the audit courses has to be in any of the foreign languages.
3. The Industrial Training/Internship can be undertaken during the vacations, however, the evaluation of the same shall be held in the 8th Semester.

Semester 1:

S.No.	Couse Category	Course No.	Course title	Contact Periods			Credits	Marks			Total	Pre-Requisite Courses
				L	T	P		Couse Work	Mid-Sem	End-Sem		
1	BS	AMS1112	Applied Mathematics-I	3	1	0	4	15	25	60	100	
2	BS	ACS1112	Applied Chemistry	3	1	0	4	15	25	60	100	
3	ESA	EEA1110	Principles of Electrical Engineering	2	1	0	3	15	25	60	100	
4	AU	CEU1112	Environmental Studies (Audit Course)	3	0	0	0	15	25	60	100	
5	ESA	MEA1112	Thermal Sciences	3	1	0	4	15	25	60	100	
6	BS	ACS1912	Applied Chemistry Lab	0	0	3	1.5	60		40	100	
7	ESA	COA1912	Computer Programming Lab	0	1	2	2	60		40	100	
8	ESA	MEA1912	Engineering Graphics Lab	1	0	2	2	60		40	100	

TOTAL CREDITS: 20.5

Semester 2:

S.No.	Couse Category	Course No.	Course title	Contact Periods			Credits	Marks			Total	Pre-Requisite Courses
				L	T	P		Couse Work	Mid-Sem	End-Sem		
1	BS	AMS1122	Applied Mathematics-II	3	1	0	4	15	25	60	100	
2	BS	APS1112	Applied Physics	3	1	0	4	15	25	60	100	
3	ESA	ELA1112	Principles of Electronics Engineering	2	1	0	3	15	25	60	100	
4	ESA	MEA1122	Engineering Mechanics	2	1	0	3	15	25	60	100	
5	HM	EZH1112	English	2	1	0	3	15	25	60	100	
6	BS	APS1912	Applied Physics Lab	0	0	3	1.5	60		40	100	
7	ESA	MEA1922	Engineering Workshop	0	1	2	2	60		40	100	
8	HM	EZH1912	Communication Skills Lab	0	1	2	2	60		40	100	

TOTAL CREDITS: 22.5   **TOTAL I YEAR CREDITS: 43**