

Group-A: CSE/ECE/IT

Group-B: CE/EE/ME

III.1 Semester I

3 Weeks Induction Program with Universal Human Values							
First Year First Semester							
Sl. No.	Category	Course Code	Course Name	Total No. of contact hours			Credits
				L	T	P	
Theory							
1	Basic Science course	BS-M101	Mathematics –I (All Branches)	3	0	0	3
2	Basic Science course	BS-PH101/ BS-CH101	Physics (CE/EE/ME) / Chemistry(CSE/ECE/IT)	3	0	0	3
3	Engineering Science Course	ES-CS101	Programming for Problem Solving (CE/EE/ME)/	3	0	0	3
		ES-EE101	Basic Electrical and Electronics Engineering (CSE/ECE/IT)	3	1	0	4
4	Ability Enhancement Course	AEC-101	English for Communication Skills (CE/EE/ME) /	2	0	0	2
	Basic Science course	BS-BI101	Biology for Engineers (CSE/ ECE/IT)	2	0	0	2
	Total Theory: CSE/ECE/IT			11	1	0	12
	CE/EE/ME			11	0	0	11
Practical/ Sessional							
1	Basic Science course	BS-PH191/ BS-CH191	Physics Lab(CE/EE/ME)/ Chemistry Lab (CSE/ECE/IT)	0	0	3	1.5
2	Engineering Science Courses	ES-ME191/ ES-ME192	Engineering Graphics & Design .(CSE/ECE/IT) / Workshop Practice(CE/EE/ME)	0	0	4	2
3	Engineering Science Course	ES-CS191	Programming for Problem Solving Lab.(CE/EE/ME)/	0	0	4	2
		ES-EE191	Basic Electrical and Electronics Engineering Lab.(CSE/ECE/IT)	0	0	3	1.5
4	Value Added Course	VAC-181	NCC / NSS / Yoga and Sports (All Branches)	0	0	4	2
5	Skill Enhancement Course	SEC-181	MOOCs (SWAYM Plus/ Future Skills Prime) or any other practical skills, hands on training, soft skills etc. offered by the Institute/ University (All Branches)	0	0	2	1
	Total Theory: CSE/ECE/IT			0	0	17	8
	CE/EE/ME			0	0	18	8.5
Mandatory courses (Non-credit)							
1	Value Added Course	MC-181/ MC-182	Indian Knowledge System (CE/EE/ME) /Indian Constitution.(CSE/ECE/IT)	2	0	0	NC
Total of First Semester: CSE/ECE/IT							20 19.5
CE/EE/ME							
First Year Second Semester							

Sl. No.	Category	Course Code	Course Name	Total No. of contact hours			Credits
				L	T	P	
Theory							
1	Basic Science course	BS-M201	Mathematics –II (All Branches)	3	0	0	3
2	Ability Enhancement Course	AEC-201	English for Communication Skills(CSE/ ECE/IT) /	2	0	0	2
	Basic Science course	BS-BI201	Biology for Engineers (CE/EE/ME)	2	0	0	2
3	Basic Science course	BS-PH201/ BS-CH201	Physics (CSE/ECE/IT) / Chemistry(CE/EE/ME)	3	0	0	3
4	Engineering Science Courses	ES-CS201	Programming for Problem Solving(CSE/ECE/IT) /	3	0	0	3
		ES-EE201	Basic Electrical and Electronics Engineering (CE/EE/ME)	3	1	0	4
5	Value Added Course	VAC-201	Environmental Science (All Branches)	3	0	0	3
	Total Theory: CSE/ECE/IT			14	0	0	14
	CE/EE/ME			14	1	0	15
Practical/ Sessional							
1	Basic Science course	BS-PH291/ BS-CH291	Physics Lab(CSE/ECE/IT) Chemistry Lab. (CE/EE/ME)/	0	0	3	1.5
2	Engineering Science Courses	ES-CS291 /ES-EE291	Programming for Problem Solving Lab.(CSE/ECE/IT) /	0	0	4	2
			Basic Electrical and Electronics Engineering Lab(CE/EE/ME)	0	0	3	1.5
3	Engineering Science Courses	ES-ME291/ ES-ME292	Engineering Graphics & Design (CE/EE/ME) / Workshop Practice (CSE/ECE/IT)	0	0	4	2
4	Ability Enhancement Course	AEC-291	Language Lab. (All Branches)	0	0	2	1
5	Ability Enhancement Course	AEC-281	Essentials for Professional Skills (All Branches)	0	0	3	1.5
6	Skill Enhancement Course	SEC-282	MOOCs (SWAYM Plus/ Future Skills Prime) or any other practical skills, hands on training, soft skills etc. offered by the Institute/ University (All Branches)	0	0	4	2
	Total Theory: CSE/ECE/IT			0	0	20	10
	CE/EE/ME			0	0	19	9.5
Mandatory courses (Non-credit)							
1	Value Added Course	MC-281/ MC-282	Indian Knowledge System .(CSE/ECE/IT) / Indian Constitution (CE/EE/ME)	2	0	0	NC
(Optional) Mandatory for exit with UG certificate		Students exiting the program will be awarded a UG Certificate in the relevant Discipline /Subject provided they qualify all papers of 1 st and 2 nd semester and secure 4 credits in work-based vocational courses offered during the summer term or internship / Apprenticeship in addition to credits from skill-based courses earned during the first and second semester					4*
Total of Second Semester: CSE/ECE/IT							24/28*
CE/EE/ME							24.5/28.5*