Courses Offered in all semesters

Semester-I

S. No.	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	PHY101C	Physics	4	0	0	4	4
2.	CHM101C	Chemistry	4	0	0	4	4
3.	MTH103C	Mathematics-I	3	0	0	3	3
4.	BIO101F	Environmental Science	3	0	0	3	3
5.	MEC101C	Engineering Graphics and Design	1	0	4	5	3
6.	ENG101F	Communication Skills	2	0	2	4	3
7.	-	Induction Programme	-	-	-	-	-
Total Credits							**20**

Semester-II

S. No.	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	CIV150C	Engineering Mechanics	3	0	0	3	3
2.	MTH153C	Mathematics–II	4	0	0	4	4
3.	CSE150F	Programming for Problem Solving	3	0	0	3	3
4.	MEC150C	Workshop Practices	1	0	4	5	3
5.	ELE150C	Basic Electrical Engineering	3	0	0	3	3
6.	CSE151F	Programming Lab	0	0	2	2	1
7.	PHY150C	Physics Lab	0	0	2	2	1
8.	CHM150C	Chemistry Lab	0	0	2	2	1
Total Credits							**19**

Semester-III

S. No	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	MEC201C	Machining Processes	3	0	0	3	3
2.	MEC202C	Mechanics of Solids	4	0	0	4	4
3.	MEC203C	Basic Thermodynamics	3	0	0	3	3
4.	MEC204C	Machine Drawing & Solid Modelling	1	0	4	5	3
5.	MEC205C	Fluid Mechanics	4	0	0	4	4
6.	MTH203C	Applied Mathematics for Engineers	3	0	0	3	3
7.	MEC210C	Mechanics of Solids Lab	0	0	2	2	1
8.	MEC211C	Machining Processes Lab	0	0	2	2	1
Total Credits							**22**

Semester-IV

S. No	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	MEC250C	Applied Thermodynamics	3	0	0	3	3
2.	MEC251C	Mechanics of Materials	3	0	0	3	3
3.	MEC252C	Theory of Machines and Mechanisms	4	0	0	4	4
4.	MEC253C	Materials Science and Engineering	3	0	0	3	3
5.	ECE280C	Basic Electronics Engineering	3	0	0	3	3
6.	MEC260C	Thermo-Fluids Lab	0	0	2	2	1
7.	ELE280C	Electrical and Electronics Lab	0	0	2	2	1
8.	-	Open Elective	-	-	-	-	-
Total Credits							**18**

Semester-V

S. No	Course Code	Course Title	L	T	P	Total Contact Hours	Credits
			Hours Per Week				
1.	MEC301C	Heat and Mass Transfer	4	0	0	4	4
2.	MEC302C	Design of Machine Elements	3	0	0	3	3
3.	MEC303C	Manufacturing Processes	3	0	0	3	3
4.	MEC304C	Measurement & Instrumentation	3	0	0	3	3
5.	STA303C	Probability and Statistics	3	0	0	3	3
6.	ECE330C	Microcontrollers	3	0	0	3	3
7.	MEC310C	Heat Transfer Lab	0	0	2	2	1
8.	MEC311C	Manufacturing Processes Lab	0	0	2	2	1
9.	MEC312C	Project-I	0	0	2	30 (Total)	1
10.	-	Open Elective	-	-	-	-	-
Total Credits							**22**

Semester-VI

S. No	Course Code	Course Title	L	T	P	Total Contact Hours	Credits
			Hours Per Week				
1.	MEC350C	Advanced Manufacturing Processes	4	0	0	4	4
2.	MEC351C	Machine Design	3	0	0	3	3
3.	MEC352C	Mechanical Vibrations	4	0	0	4	4
4.	MECXXXE	Elective-I (Discipline Centric)	3	0	0	3	3
5.	XXXXXXG	Elective-II (Generic)	-	-	-	-	X
6.	MEC360C	Mechanisms & Vibrations Lab	0	0	2	2	1
7.	MEC361C	CAD/CAM Lab	0	0	2	2	1
8.	MEC362C	Project-II	0	0	6	90 (Total)	3
9.	-	Open Elective	-	-	-	-	-
Total Credits							**19+X**

Semester-VII

S. No	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	MEC401C	Hydraulics & Hydraulic Machines	3	0	0	3	3
2.	MEC402C	Industrial Engineering	3	0	0	3	3
3.	MTH403C	Numerical Methods in Engineering	3	0	0	3	3
4.	MECXXXE	Elective-III (Discipline Centric)	3	0	0	3	3
5.	XXXXXXG	Elective-IV (Generic)	-	-	-	-	X
6.	MEC410C	Industrial Engineering Lab	0	0	2	2	1
7.	MEC411C	Fluid Machines Lab	0	0	2	2	1
8.	MEC412C	Minor Project	0	0	6	90 (Total)	3
9.	-	Open Elective	-	-	-	-	-
Total Credits							**17+X**

Semester-VIII

S. No	Course Code	Course Title	Hours Per Week			Total Contact Hours	Credits
			L	T	P		
1.	MEC450C	Operations Research	3	0	0	3	3
2.	MECXXXE	Elective-V (Discipline Centric)	3	0	0	3	3
3.	XXXXXXG	Elective-VI (Generic)	-	-	-	-	X
4.	MEC460C	Major Project	0	0	18	270 (Total)	9
5.	-	Open Elective	-	-	-	-	-
Total Credits							**15+X**