

SEMESTER- I

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
HS 7151	Foundational English	4	0	0	4	4
MA 7151	Mathematics - I	4	0	0	4	4
PH 7151	Engineering Physics	3	0	0	3	3
CY 7151	Engineering Chemistry	3	0	0	3	3
GE 7151	Computing Techniques	3	0	0	3	3
GE 7152	Engineering Graphics	3	2	0	5	4
PRACTICALS						
BS 7161	Basic Science Laboratory	0	0	4	4	2
GE 7161	Computer Practices Laboratory	0	0	4	4	2

SEMESTER- II

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
HS 7251	Technical English	4	0	0	4	4
MA 7251	Mathematics - II	4	0	0	4	4
PH 7252	Materials Science for Technologists	3	0	0	3	3
GE 7153	Engineering Mechanics	3	0	0	3	4
PR 7251	Production Processes	3	0	0	3	3
CY 7257	Physical and Organic Chemistry	3	2	0	5	3
PRACTICALS						
GE 7261	Computer Programming Laboratory	0	0	4	4	2
GE 7162	Engineering Practices Laboratory	0	0	4	4	2

SEMESTER- III

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
AE 7353	Solid Mechanics	3	0	0	3	3
EE 7254	Principles of Electrical and Electronics Engineering	3	0	0	3	3
GE 7251	Environmental Science and Engineering	3	0	0	3	3
MA 7357	Probability and Statistics	4	0	0	4	4
RP 7301	Introduction to Polymer Science	3	0	0	3	3
RP 7302	Theory of Machines and Mechanisms	3	0	0	3	3
PRACTICALS						
EE 7261	Electrical and Electronics Engineering Laboratory	0	0	4	4	2
ME 7362	Mechanical Sciences Laboratory	0	0	4	4	2

SEMESTER- IV

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
MA 7354	Numerical Methods	4	0	0	4	4
RP 7401	Fluid Mechanics and Polymer Rheology	3	0	0	3	3
RP 7402	Fundamentals of Chemical Engineering Operations	3	0	0	3	3
RP 7403	Physical Properties of Polymers	3	0	0	3	3
RP 7404	Plastics Materials - I	4	0	0	4	4
RP 7405	Rubber Materials	3	0	0	3	3
PRACTICALS						
RP 7411	Computer Aided Parts and Assembly Drawing	0	0	4	4	2
RP 7412	Polymer Chemistry Laboratory	0	0	4	4	2

SEMESTER- V

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
RP 7501	Plastics Materials - II	3	0	0	3	3
RP 7502	Plastics Processing and Machinery	3	0	0	3	3
RP 7503	Polymer characterization Techniques	3	0	0	3	3
RP 7504	Rubber Compounding	3	0	0	3	3
	Professional Elective I	3	0	0	3	3
	Professional Elective II	3	0	0	3	3
PRACTICALS						
RP 7511	Plastics Processing and Testing Lab	0	0	4	4	2
RP 7512	Rubber Materials Lab	0	0	4	4	2

SEMESTER- VI

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
HS 7551	Employability Skills	3	0	0	3	3
RP 7601	Plastics Product and Mould Design	3	0	0	3	3
RP 7602	Rubber and Plastics Testing	4	0	0	4	4
RP 7603	Rubber Processing and Machinery	3	0	0	3	3
	Professional Elective III	3	0	0	3	3
	Open Elective 1	3	0	0	3	3
PRACTICALS						
RP 7611	Rubber Processing and Testing Laboratory	0	0	4	4	2

SEMESTER- VII

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
RP 7701	Polymer Composites	3	0	0	3	3
RP 7702	Polymer Recycling	3	0	0	3	3
RP 7703	Technology of Tyres and Tubes	3	0	0	3	3
	Professional Elective IV	3	0	0	3	3
	Professional Elective V	3	0	0	3	3
	Open Elective II	3	0	0	3	3
PRACTICALS						
RP 7711	Mould and Product Design Lab	0	0	4	4	2
RP 7712	Comprehension	0	0	2	2	1
RP 7713	Industrial Training	0	0	2	2	1

SEMESTER- VIII

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
	Professional Elective VI	3	0	0	3	3
PRACTICALS						
RP 7811	Project Work	0	0	20	20	10