

Semester – I							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Ability Enhancement Compulsory Course							
1	AECC101	Fundamentals of English	2	0	0	2	100
B. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
2	BTCH109	Internship	0	0	0	2	100
3	SECC102	Foundation Course	0	0	0	2	100
C. Core Course							
4	BTEC101	Basics of Electrical & electronics	3	0	2	4	150
5	BTMA103	Mathematics – I	3	1	0	4	100
6	BTCS104	Computer Programming-I	3	0	2	4	150
7	BTPY105	Engineering Physics	3	0	2	4	150
8	BTME106	Workshop	0	0	2	1	50
9	BTFS108	Fundamental in Fire & Environment, health, Safety	2	0	0	2	100
Total						25	1000

Semester – II							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Ability Enhancement Compulsory Course							
1	AECC201	Communication Skills in English	2	0	0	2	100
B. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
2	BTCH208	Industrial Internship	0	0	0	2	100
C. Core Course							
3	BTEC201	Engineering Fundamentals	3	0	0	3	100
4	BTME202	Engineering Graphics	3	0	2	4	150
5	BTMA203	Mathematics - II	3	1	0	4	100
6	BTME204	Engineering Mechanics	4	0	2	5	150
7	BTCY205	Engineering Chemistry	3	0	2	4	150
8	BTCS206	Computer Programming II	0	0	2	1	50
9	BTME207	AutoCAD	0	0	2	1	50
Total						26	950

Semester – III							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Ability Enhancement Compulsory Course							
1	AECC301	Entrepreneurship Development	2	0	0	2	100
B. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
2	BTCH307	Industrial Internship	0	0	0	2	100
C. Core Course							
3	BTMA301	Mathematics – III	3	1	0	4	100
4	BTCH302	Fluid Flow Operations	4	0	2	5	150
5	BTCH303	Applied Chemistry	4	0	2	5	150
6	BTCH304	Process Calculations	3	1	0	4	100
7	BTCH305	Mechanical Operations	4	0	2	5	150
Total						27	850

Semester – IV							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Ability Enhancement Compulsory Course							
1	AECC401	Environmental Science	2	0	0	2	100
B. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
2	BTCH407	Industrial Internship	0	0	0	2	100
C. Core Course							
3	BTCH401	Chemical Engineering Thermodynamics - I	3	1	0	4	100
4	BTCH402	Heat Transfer Operations	3	1	2	5	150
5	BTCH403	Process Technology	4	0	2	5	150
6	BTCH404	Numerical Methods in Engineering	2	0	2	3	150
7	BTCH405	Materials Science & Engineering	3	0	0	3	100
8	BTCH406	Industrial Pollution Control	3	0	0	3	100
Total						27	950

Semester – V								
Sr. No.	Course Code	Course Title	L	T	P	C	Marks	
A. Ability Enhancement Compulsory Course								
1	AECC501	Disaster Risk Management	2	0	0	2	100	
B. Skill Enhancement Courses								
a) Skill Enhancement compulsory course								
2	SECC501	Industrial Internship	0	0	0	2	100	
C. Core Course								
3	BTCH501	Mass Transfer Operations-I	4	0	2	5	150	
4	BTCH502	Chemical Reaction Engineering-I	3	1	2	5	150	
5	BTCH503	Chemical Engineering Thermodynamics-II	3	1	0	4	100	
6	BTCH504	Instrumentation & Process Control	4	0	2	5	150	
7	NOC01	NPTEL Online Course	0	0	0	2	100	
Total							25	850

Semester – VI								
Sr. No.	Course Code	Course Title	L	T	P	C	Marks	
A. Ability Enhancement Compulsory Course								
1	AECC601	Indian Constitution	2	0	0	2	100	
B. Skill Enhancement Courses								
a) Skill Enhancement compulsory course								
2	BTCH606	Industrial Internship	0	0	0	2	100	
C. Core Courses								
3	BTCH601	Mass Transfer Operations - II	4	0	2	5	150	
4	BTCH602	Process Equipment Design - I	3	0	2	4	150	
5	BTCH603	Chemical Reaction Engineering - II	3	0	0	3	100	
6	BTCH604	Advanced Separation Techniques	3	0	0	3	100	
7	BTCH605	Professional Elective - I	3	0	0	3	100	
8	BTOE	Open Elective	3	0	0	3	100	
Total							25	900

Semester – VII							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
1	BTCH706	Industrial Internship	0	0	0	2	100
B. Core Courses							
3	BTCH701	Process Modelling Simulation & Optimization	4	0	2	5	150
4	BTCH702	Plant Design & Economics	3	0	0	3	100
5	BTCH703	Process Equipment Design-II	3	1	0	4	100
6	BTCH704	Chemical Process Safety	3	0	0	3	100
7	BTCH705	Transport Phenomena	4	0	0	4	100
8	BTCH706	Professional Elective –II	3	0	0	3	100
Total						24	750

Semester – VIII							
Sr. No.	Course Code	Course Title	L	T	P	C	Marks
A. Skill Enhancement Courses							
a) Skill Enhancement compulsory course							
1	BTCH801	Project	0	0	20	10	100
Total						10	100