

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	SECC101	Internship	0	0	2	2	50
3	SECC102	Foundation Course	0	1	1	2	50
C. Core Course							
4	BTEC101	Basics of Electrical & electronics	3	0	2	5	150
5	BTMA103	Mathematics – I	3	1	0	4	100
6	BTCS104	Computer Programming	3	0	2	5	150
7	BTPY105	Engineering Physics	3	0	2	5	150
8	BTME106	ICT Workshop	0	0	2	2	50
9	BTFS108	Fundamental in Fire & Environment, health, Safety	2	0	0	2	100
Total						23	600

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	SECC201	Industrial Internship	0	2	0	2	100
C. Core Course							
3	BTEC201	Engineering Fundamentals	3	0	0	3	100
4	BTME202	Engineering Graphics	3	0	2	5	150
5	BTMA203	Mathematics - II	3	1	0	4	100
6	BTME204	Engineering Mechanics	4	0	2	6	150
7	BTCY205	Engineering Chemistry	3	0	2	5	150
8	BTCS206	Computer Programming II	0	2	0	2	50
9	BTME207	Computer Aided Drawing	0	2	0	2	50
Total						31	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	BTFS317	Industrial Internship	0	0	2	2	100
C. Core Course							
4	BTMA301	Mathematics – III	3	1	0	4	100
5	BTFS311	Safety management - 1	3	0	0	3	100
6	BTFS312	Legislations related to Fire & EHS	3	0	0	3	100
7	BTFS313	Town Planning & Building Design	3	0	2	5	150
8	BTFS314	Strength of Materials	3	0	2	5	150
9	BTFS315	Machine Design & Industrial Drafting	4	0	2	6	150
10	BTFS316	Fire drills & Practical	0	4	0	4	50
Total						34	1000

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	BTFS409	Internship	0	0	0	2	100
C. Core Course							
4	BTFS411	Building Fire Prevention & Protection measures	3	0	0	3	100
5	BTFS412	Hazard Identification, Risk assessment & Control techniques	3	1	0	4	100
6	BTFS413	Safety in Construction Industry	3	0	0	3	100
7	BTFS414	Basics of Occupational Health	3	0	0	3	100
8	BTFS415	Fire drills & Practical	0	0	4	4	50
9	BTFS416	Fluid mechanics & Pumping machinery	3	0	2	6	150
Total						27	800

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	Internship	0	0	0	2	100	
3	SECC502	Fire Ground Practicals -2	0	0	2	1	50	
C. Core Course								
4	BTFS501	Fire Service Operations	3	0	2	4	150	
5	BTFS502	Safety Management - 2	3	0	0	3	100	
6	BTFS503	Electrical Technology & Safety	3	1	0	4	100	
7	BTFS504	Occupational Health & First Aid	3	0	2	4	150	
8	BTFS505	Fire Safety in Refinery, Petrochemical, Fertilizer & Chemical Industry	3	0	0	3	100	
9	BTFS506	Introduction Of Fire Dynamics	3	0	2	4	150	
Total							27	1000

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	SECC501	Industrial Internship	0	0	0	2	100	
3	SECC602	Audits and Seminars	2	0	0	1	50	
C. Core Courses								
4	BTFS601	Safety Engineering in Industrial Applications	3	0	0	3	100	
5	BTFS602	Firefighting & Safety Codes & Standards	3	0	0	3	100	
6	BTFS603	Fire Protection Systems -1	3	0	2	4	150	
7	BTFS604	Fire & Safety Hazards in Special Sectors (Aviation, Marine, Nuclear)	3	0	2	4	150	
8	BTFS605	Professional Elective –I (Even)	3	0	0	3	100	
9	OE-1	Open Elective	3	0	0	3	100	
Total							24	950

Semester – VII								
Sr. No.	Course Code	Course Title	L	T	P	C	Marks	
A. Skill Enhancement Courses								
a) Skill Enhancement compulsory course								
1	SECC701	Industrial Internship	0	0	0	2	100	
2	SECC702	Minor Project	0	0	4	2	100	
B. Core Courses								
3	BTFS701	Fire Protections Systems -2	3	0	2	4	150	
4	BTFS702	Chemical Safety Covering Various Types of Industries	3	0	0	3	100	
5	BTFS703	Management & Entrepreneurship Development	4	0	0	4	100	
6	BTFS704	Industrial Hygiene, Applied Ergonomics & Occupational Health	4	0	0	4	100	
7	BBTFS705	Professional Elective –2	3	0	0	3	100	
Total							19	750

Semester – VIII								
Sr. No.	Course Code	Course Title	L	T	P	C	Marks	
A. Skill Enhancement Courses								
a) Skill Enhancement compulsory course								
1	SECC801	Major Project	0	0	16	8	100	
B. Core Courses								
2	BTFS801	Structural Behaviour & Passive Fire Protection	3	0	0	3	100	
3	BTFS802	Environmental Impact Assessment & Waste Management	4	0	0	4	100	
Total							15	300