

Course Structure for B.Tech. in Fire and Safety Engineering

Semester-I

Sr. No.	Code	Course Code	Theory Paper/Practical	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	Credit	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
01	UC	YFT101	Algebra & Differential Calculus	4	--	--	4	50	--	50	--	100
02	UC	YFT102	Applied Physics with embedded Lab	3	--	2	4	50	25	50	--	125
03	UC	YFT103	Applied Chemistry with embedded Lab									
04	UC	YFT104	Fundamentals of Electronics Engineering with embedded Lab	3	--	2	4	50	25	50	--	125
05	UC	YFT105	Fundamentals of Electrical Engineering with embedded Lab									
06	UC	YFT106	Engineering Graphics	2	--	2	4	50	25	50	--	125
07	UC	YFT107	Basic Civil and Environment studies with embedded Lab	3	--	2	4	50	25	50	--	125
08	UC	YFT108	Workshop Practices	--	--	2	1	--	25	--	--	25
09	PC	FSE -109	Soft Skills	2	--	--	1	--	25	--	--	25
Total				17	--	12	22	250	150	250	--	650

*CIA	Weightage	Description
CIA 1	10%	Home Assignment
CIA 2	20%	Mid-Term Exam (MTE)
CIA 3	10%	Presentation by students
CIA 4	10%	Research Based Activity



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TOTAL	50%	
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Semester-II

Sr. No.	Course Code	Course Name	Teaching Scheme (Hrs/Week)				Examination Scheme				Total Marks
			L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
							Course	Lab	Course	Lab	
01	YFT201	Integral Calculus	4	-	-	4	50	--	50	--	100
02	YFT202	Applied Physics	3	-	2	4	50	25	50	--	125
03	YFT203	Applied Chemistry									
04	YFT204	Fundamentals of Electronics Engineering	3	-	2	4	50	25	50	--	125
05	YFT205	Fundamentals of Electrical Engineering									
06	YFT206	Fundamentals Mechanical Engineering	3		2	4	50	25	50	--	125
07	YFT207	Engineering Mechanics	3	1	2	4	50	25	50	--	125
08	YFT208	Fundamentals of Computing Language	1		2	1	--	25	--	--	25
09		Foreign language German	2	-	-	1	--	25	--	--	25
10		Foreign language _French									
Total			19	-	10	22	250	150	250	--	650

*CIA	Weightage	Description
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SANDIP
UNIVERSITY

Mahiravani, Trimbak Road, Tal & Dist. Nashik 422213, Maharashtra

School of Engineering & Technology

Sandip University

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TOTAL	50%	