



## Training Schedule

### Training Program: Basics of Fire Prevention & Life Safety Management

**Program Duration** – 8 days

**Venue** : Seminar hall, F:03, Gujarat Institute of Disaster Management (GIDM),  
B/h PDP, Raisan, Gandhinagar.

<b>DAY-1:09<sup>th</sup> March. 2022</b>		
<b>Time</b>	<b>Name of Topic</b>	<b>Resource person</b>
10.15 – 11.30	Registration, Pre-test and Inauguration	GIDM, SFPS, GSIFST
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 12.45	<b>ST1-Fire Science and Combustion:</b> 1.1-Introduction to Chemistry and Physics of Fire 1.2-Heat Transfer 1.3-Hazards and Risk 1.4-Combustion Process	Shri Sanjeev Verma, EHS Head-Grasim Pvt. Limited
12.45 – 13.45	1.5- Fire Extinguishment 1.6- Extinguishment Agents 1.7- Combustion Products	Shri Sanjeev Verma, EHS Head-Grasim Pvt. Limited
13.45 – 14.45	<b>LUNCH</b>	
14.45 – 15.45	<b>Group Activity</b>	GIDM
15.45 – 16.00	<b>TEA BREAK</b>	
16.00 – 17.00	<b>ST2-Fire Service setup, Firefighting Procedures &amp; Fire Brigade Features in Buildings:</b> 2.1 - Function of Fire Service in Government setup 2.2 - Current Fire Service setup in Urban and Non-urban areas in Gujarat 2.3 - Understanding Fire Service hierarchy and ranks in other states and Gujarat 2.4 - Emergency notification procedure 2.5- Incident site procedures related to rescue and fire-fighting for building scenarios. 2.6- Requirements related to Fire vehicle access	Shri K K Bishnoi, Director, SFPS
17.00 – 18.00	<b>Group Assignment</b>	GIDM
<b>DAY 2: 10<sup>th</sup> March 2022</b>		
<b>Time</b>	<b>Name of Topic</b>	<b>Resource person</b>
07.00- 09.00	<b>Drill</b>	GSIFST
11.30 – 11.45	<b>Breakfast</b>	



10.30 – 11.30	<b>ST3- Fire Prevention &amp; Life Safety in Buildings</b> ST3.1 - Internal Planning and layout of Building Services and systems	Mr. Snehanishu Chaudhary, Fire Consultant
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 12.45	<b>ST3- Fire Prevention &amp; Life Safety in Buildings</b> ST3.2 - Fire prevention measures for different building systems	Mr. Snehanishu Chaudhary, Fire Consultant
12.45 – 13.45	<b>ST3- Fire Prevention &amp; Life Safety in Buildings</b> ST3.3 - Different factors affecting safe egress	Mr. Snehanishu Chaudhary, Fire Consultant
13.45 – 14.45	<b>LUNCH</b>	
14.45 – 15.45	<b>ST3-Fire Prevention &amp; Life Safety in Buildings</b> ST3.4 - Understanding safe egress design	Mr. Snehanishu Chaudhary, Fire Consultant
15.45 – 16.00	<b>TEA BREAK</b>	
16.00 – 17.00	<b>ST3-Fire Prevention &amp; Life Safety in Buildings</b> ST3.5 - Other important associated systems for Life safety ST3.6 - Important information from Annexure D of NBC Part 4 ST3.7 - Basics of Electrical Safety ST3.8 - Identify Unsafe Conditions	Mr. Snehanishu Chaudhary, Fire Consultant
17.00- 18.00	<b>Assignment Presentation</b>	GIDM/SFPS/GSIFST
<b>DAY 3: 11<sup>th</sup> March 2022</b>		
<b>Time</b>	<b>Name of Topic</b>	<b>Resource person</b>
07.00- 09.00	<b>Drill</b>	GSIFST
11.30 – 11.45	<b>Breakfast</b>	
10.30 – 11.30	<b>ST4- Fire Protection Equipment &amp; Systems</b> ST4.1 - Portable Fire Extinguishers	Shri R C Sharma, Former Director, Delhi Fire Service
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 12.45	<b>ST4- Fire Protection Equipment &amp; Systems</b> ST4.2 - Water as an extinguishing agent	Shri R C Sharma, Former Director, Delhi Fire Service
12.45 – 13.45	<b>ST4- Fire Protection Equipment &amp; Systems</b> ST4.3 - Wet riser systems/ External Hydrant systems	Shri R C Sharma, Former Director, Delhi Fire Service
13.45 – 14.45	<b>LUNCH</b>	
14.45 – 15.45	<b>ST4- Fire Protection Equipment &amp; Systems</b> ST4.4 - Types of fire pumps ST4.5-Automatic Sprinkler Systems ST4.6 - Overview of Fire Detection Systems	Shri R C Sharma, Former Director, Delhi Fire Service



15.45 – 16.00	<b>TEA BREAK</b>	
16.00 – 17.00	<b>ST4- Fire Protection Equipment &amp; Systems</b> ST4.7 - Overview on Design, Installation and Maintenance of Various Indian Standards for Fire Protection systems ST4.8 - Method of testing for installation (fire protection systems) on ground during field visit	Shri R C Sharma, Former Director, Delhi Fire Service
17.00- 18.00	<b>Assignment Presentation</b>	GIDM/SFPS/GSIFST
<b>DAY 4: 12<sup>th</sup> March 2022</b>		
<b>Time</b>	<b>Name of Topic</b>	<b>Resource person</b>
07.00- 09.00	<b>Drill</b>	GSIFST
10.30 – 11.30	<b>ST5- Structural Fire Safety &amp; Passive Fire Protection</b> ST5.1 - Introduction	Shri Abhay Purandare, Fire Consultant
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 12.45	<b>ST5- Structural Fire Safety &amp; Passive Fire Protection</b> ST5.2-Concepts of Construction	Shri Abhay Purandare, Fire Consultant
12.45 – 13.45	<b>ST5- Structural Fire Safety &amp; Passive Fire Protection</b> ST5.3-Structural fire safety	Shri Abhay Purandare, Fire Consultant
13.45 – 14.45	<b>LUNCH</b>	
14.45 – 15.45	<b>ST5- Structural Fire Safety &amp; Passive Fire Protection</b> ST5.4-Containment and compartmentation for fire safety	Shri Abhay Purandare, Fire Consultant
15.45 – 16.00	<b>TEA BREAK</b>	
16.00 – 17.00	<b>ST5- Structural Fire Safety &amp; Passive Fire Protection</b> ST5.5-Construction materials	Shri Abhay Purandare, Fire Consultant
17.00 – 18.00	<b>Assignment Presentation</b>	GIDM/SFPS/GSIFST
<b>DAY 5: 13<sup>th</sup> March 2022</b>		
<b>Time</b>	<b>Name of Topic</b>	<b>Resource person</b>
07.00- 09.00	<b>Drill</b>	GSIFST
10.30 – 11.30	<b>ST6-Fire Safety Legislation &amp; Enforcement</b> ST6.1 – GFP&LSM ACT 2013 and amendment	Shri Paresh Vyas, Fire Advisor, GOG
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 13.00	<b>ST6-Fire Safety Legislation &amp; Enforcement</b> ST6.2-GFP&LSM Rules 2014 & amendment Regulations	Shri Paresh Vyas, Fire Advisor, GOG
13.00 – 14.00	<b>LUNCH</b>	
14.00 – 18.00	<b>Practical Demonstration &amp; Operation of Firefighting and Rescue equipment</b>	AFES
<b>DAY 6: 14<sup>th</sup> March 2022</b>		



Time	Name of Topic	Resource person
07.00- 09.00	<b>Drill</b>	GSIFST
10.30 – 11.30	<b>ST7-Industrial Fire Prevention &amp; Fire Protection</b> ST7.1 Introduction and Engineering approach to industrial fire protection ST7.2 Plant Sitting and Layout Fire protection siting considerations ST7.3 - Fire Resistance and Construction	Mr. Himalay Kotadiya, RAPC ,GIDM
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 13.00	<b>ST7-Industrial Fire Prevention &amp; Fire Protection</b> ST7.3 - Fire Resistance and Construction ST7.4 - Flammable Liquid Storage tanks ST7.5 - Onsite/ Off site Emergency Plan	Mr. Himalay Kotadiya, RAPC ,GIDM
13.00 – 14.00	<b>LUNCH</b>	
14.00 – 17.00	<b>Visit at GIFT CITY</b>	Shri Amar Pandey, GM (Fire Service)
<b>DAY 7:15<sup>th</sup> March 2022</b>		
Time	Name of Topic	Resource person
07.00- 09.00	<b>Drill</b>	GSIFST
10.30 – 11.30	<b>SL1- Lab Session</b> Introduction to FSCOP System	GSIFST
11.30 – 11.45	<b>TEA BREAK</b>	
11.45 – 12.45	<b>SL1- Lab Session</b> Working on FSCOP System	GSIFST
12.45 – 13.45	<b>SL1- Lab Session</b> Working on FSCOP System	GSIFST
13.45 – 14.45	<b>LUNCH</b>	
14.45 – 15.45	<b>Basics of Disaster Risk Management</b>	GIDM
15.45 – 16.00	<b>TEA BREAK</b>	
16.00 – 17.00	<b>Assignment Presentation</b>	GIDM/SFPS/GSIFST
<b>DAY 8: 16<sup>th</sup> March 2022</b>		
Time	Name of Topic	Resource person
11.00 – 13.00	<b>Examination, Assessment</b> <ul style="list-style-type: none"> <li>Online Examination</li> </ul>	Examination & Assessment Committee
13.00 – 14.00	<b>LUNCH</b>	
14.00 -16.00	<b>Q &amp; A and Discussion</b>	Expert Panel
16.00- 17.00	<b>Wrap up &amp; Valedictory</b>	GIDM/SFPS/GSIFST