



Training Schedule

Training Program: Basics of Fire Prevention & Life Safety Management

Program Duration – 8 days

Venue: - Smart Classroom, F:03, Gujarat Institute of Disaster Management (GIDM),
B/h PDP, Raisan, Gandhinagar.

DAY-1: 17 th Feb. 2022		
Time	Name of Topic	Resource person
10.15 – 11.30	Registration, Pre-test and Inauguration	GIDM, SFPS
11.30 – 11.45	TEA BREAK	
11.45 – 12.45	ST1-Fire Science and Combustion: 1.1-Introduction to Chemistry and Physics of Fire 1.2-Heat Transfer 1.3-Hazards and Risk 1.4-Combustion Process	Shri Prakash Kapade
12.45 – 13.45	1.5- Fire Extinguishment 1.6- Extinguishment Agents 1.7- Combustion Products	Shri Prakash Kapade
13.45 – 14.45	LUNCH	
14.45 – 15.45	Fire Service Ethics & Discipline	Shri Prakash Kapade,
15.45 – 16.00	TEA BREAK	
16.00 – 17.00	ST2-Fire Service setup, Firefighting Procedures & Fire Brigade Features in Buildings: 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	Group Assignment	GIDM
DAY 2: 18 th Feb 2022		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST



11.30 – 11.45	Breakfast	
10.30 – 11.30	ST3- Fire Prevention & Life Safety in Buildings ST3.1 - Internal Planning and layout of Building Services and systems	Dr. G C Mishra, Former Director Delhi Fire Service
11.30 – 11.45	TEA BREAK	
11.45 – 12.45	ST3- Fire Prevention & Life Safety in Buildings ST3.2 - Fire prevention measures for different building systems	Dr. G C Mishra, Former Director Delhi Fire Service
12.45 – 13.45	ST3- Fire Prevention & Life Safety in Buildings ST3.3 - Different factors affecting safe egress	Dr. G C Mishra, Former Director Delhi Fire Service
13.45 – 14.45	LUNCH	
14.45 – 15.45	ST3-Fire Prevention & Life Safety in Buildings ST3.4 - Understanding safe egress design	Dr. G C Mishra, Former Director Delhi Fire Service
15.45 – 16.00	TEA BREAK	
16.00 – 17.00	ST3-Fire Prevention & Life Safety in Buildings 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	Dr. G C Mishra, Former Director Delhi Fire Service
17.00- 18.00	Assignment Presentation	Expert Panel
DAY 3: 19th Feb 2022		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST
11.30 – 11.45	Breakfast	
10.30 – 11.30	ST4- Fire Protection Equipment & Systems ST4.1 - Portable Fire Extinguishers	Dr. G C Mishra, Former Director Delhi Fire Service
11.30 – 11.45	TEA BREAK	
11.45 – 12.45	ST4- Fire Protection Equipment & Systems ST4.2 - Water as an extinguishing agent	Dr. G C Mishra, Former Director Delhi Fire Service
12.45 – 13.45	ST4- Fire Protection Equipment & Systems ST4.3 - Wet riser systems/ External Hydrant systems	Dr. G C Mishra, Former Director Delhi Fire Service
13.45 – 14.45	LUNCH	
14.45 – 15.45	ST4- Fire Protection Equipment & Systems ST4.4 - Types of fire pumps	Dr. G C Mishra,



	ST4.5-Automatic Sprinkler Systems ST4.6 - Overview of Fire Detection Systems	Former Director Delhi Fire Service
15.45 – 16.00	TEA BREAK	
16.00 – 17.00	ST4- Fire Protection Equipment & Systems 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	Dr. G C Mishra, Former Director Delhi Fire Service
17.00- 18.00	Assignment Presentation	Expert Panel
DAY 4: 20th Feb 2021		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST
10.30 – 11.30	ST5- Structural Fire Safety & Passive Fire Protection ST5.1 - Introduction	Shri Tarak Nath, Fire Consultant
11.30 – 11.45	TEA BREAK	
11.45 – 12.45	ST5- Structural Fire Safety & Passive Fire Protection ST5.2-Concepts of Construction	Shri Tarak Nath, Fire Consultant
12.45 – 13.45	ST5- Structural Fire Safety & Passive Fire Protection ST5.3-Structural fire safety	Shri Tarak Nath, Fire Consultant
13.45 – 14.45	LUNCH	
14.45 – 15.45	ST5- Structural Fire Safety & Passive Fire Protection ST5.4-Containment and compartmentation for fire safety	Shri Tarak Nath, Fire consultant
15.45 – 16.00	TEA BREAK	
16.00 – 17.00	ST5- Structural Fire Safety & Passive Fire Protection ST5.5-Construction materials	Shri Tarak Nath, Fire Consultant
17.00 – 18.00	Assignment Presentation	Expert Panel
DAY 5: 21st Feb 2022		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST
10.30 – 11.30	ST6-Fire Safety Legislation & Enforcement ST6.1 – GFP&LSM ACT 2013 and amendment	Shri Paresh Vyas Fire Advisor to Govt. of Gujarat
11.30 – 11.45	TEA BREAK	
11.45 – 13.00	ST6-Fire Safety Legislation & Enforcement ST6.2-GFP&LSM Rules 2014 & amendment Regulations	Shri Paresh Vyas Fire Advisor to Govt. of Gujarat



13.00 – 14.00	LUNCH	
14.00 – 18.00	Practical Demonstration & Operation of Firefighting and Rescue equipment	AFES
DAY 6: 22nd Feb 2022		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST
10.30 – 11.30	ST7-Industrial Fire Prevention & Fire Protection 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	Shri Abhay Purandare, Fire Consultatant
11.30 – 11.45	TEA BREAK	
11.45 – 13.00	ST7-Industrial Fire Prevention & Fire Protection ST7.3 - Fire Resistance and Construction ST7.4 - Flammable Liquid Storage tanks ST7.5 - Onsite/ Off site Emergency Plan	Shri Abhay Purandare, Fire Consultatant
13.00 – 14.00	LUNCH	
14.00 – 17.00	Visit at GIFT CITY	Shri Abhay Purandare, Fire Consultatant
DAY 7: 23rd Feb 2022		
Time	Name of Topic	Resource person
07.00- 09.00	Drill	Shri V N Solanki, Principal, GSIFST
10.30 – 11.30	SL1- Lab Session Introduction to FSCOP System	GIPL/GIDM
11.30 – 11.45	TEA BREAK	
11.45 – 12.45	SL1- Lab Session Working on FSCOP System	GIPL/GIDM
12.45 – 13.45	SL1- Lab Session Working on FSCOP System	GIPL/GIDM
13.45 – 14.45	LUNCH	
14.45 – 15.45	Basics of Disaster Risk Management	GIDM
15.45 – 16.00	TEA BREAK	
16.00 – 17.00	Basics of Disaster Risk Management	GIDM
DAY 8: 24th Feb 2022		
Time	Name of Topic	Resource person
11.00 – 13.00	Examination, Assessment • Online Examination	Examination & Assessment Committee



13.00 – 14.00	LUNCH	
14.00 -16.00	Q & A and Discussion	Expert Panel
16.00- 17.00	Wrap up & Valedictory	GIDM/SFPS /GSIFST