



TEERTHANKER MAHAVEER UNIVERSITY

COLLEGE OF PARAMEDICAL SCIENCES

Introducing

FIRE SAFETY & MANAGEMENT

(Certificate Course)

SESSION- 2022-23

About the Course

Fire safety refers to planning and infrastructure design aimed at reducing the risk of fire or impeding the spread of a fire when one does break out.

Fire safety encompasses the use of fire-resistant building materials, preventative actions, safe work practices, fire safety training, flame-resistant protective clothing, and more.

PATRON- Prof. Navneet Kumar, Vice Principal College of Paramedical Sciences

COURSE COORDINATOR - Mr. Sagar Debnath, Faculty of Medical Laboratory Techniques
E-mail-sagard.paramedical@tmu.ac.in

COURSE FACULTY - Mr. Devendra Singh
Miss. Anjali Rani

REGISTRATION LINK- <https://forms.gle/L36P43ZS2hYRZ4ke7>

STARTING DATE OF REGISTRATION- 25TH JANUARY 2023

LAST DATE OF REGISTRATION- 10TH FEBRUARY 2023

VENUE- Nursing Building 4th Floor,
College of Paramedical Sciences,
Room No.515

DAY & TIME- SATURDAY 02:00 PM TO 03:00 PM

****OPEN FOR ALL THE STUDENTS OF TEERTHANKER MAHAVEER UNIVERSITY****

CERTIFICATION CRITERIA-

- 75% attendance is compulsory
- No fee will be charged from students
- Duration of the course is sixteen hours (16 hrs)

After completion of the course, student will receive a certificate by College of Paramedical Sciences, Teerthanker Mahaveer University

Course Code: PVAC-II	Course Name: FIRE SAFETY & MANAGEMENT Total Duration: 16 Hours Resource Person: Prof. Navneet Kumar	
CO1.	Understanding the concepts of fire.	
CO2.	Understanding the heating and ventilation.	
CO3.	Applying the firefighting equipment.	
CO4.	Applying the techniques in fire safety.	
CO5.	Applying the evacuation techniques in the fire emergency.	
Course Content		
Unit-1:	Fire Safety What is fire, Fire Triangle, types of fires and their patterns. Why Fire Safety is important, Importance of Fire Safety.	3 Hours
Unit-2:	Heating and Ventilation Heating Strategy, Combustion, Boiler Heating Systems, Boilers, Burners, Fuel-to-Air Ratios, Electric Boilers	3 Hours
Unit-3:	Firefighting equipment Kitchen hood protection, Smoke detector, Fire extinguishers, Fire blanket, Fire escape ladder.	3 Hours
Unit-4:	Measures of Fire Safety Fire Safety Arrangements, Fire Extinguishers, Fire Escape Routes, Fire doors & Emergency ventilators	3 Hours
Unit-5:	Fire Emergency Fire Evacuation Procedures, Personal Emergency Evacuation Plans, Fire Evacuation Fire Drills.	4 Hours
<u>Textbook:</u>	A Handbook of Fire Technology by Gupta R.S.	
<u>References:</u>	1. Fire Safety in Buildings by V.K. Jain . 2. Firefighting: The Essential Handbook Volume 1 Paperback – by B.M. Sen 3. FIRE FIGHTING VOL-1 by B.M Sen. 4. Fire Fighting And Fire Safety: Concepts, Methods, Tools & Techniques Hardcover – by Rathore S (Author)	