INDUSTRIAL SAFETY DRILL REPORT

Fire Extinguisher Mock Drill at Gharda Institute of Technology, Lavel

Prepared by: Prof. Nitish Galande, Assistant Professor, Chemical Engineering Department

---

Date: 09/10/2025
Location: Open Auditorium, Gharda Institute of Technology, Lavel
Participants: Final Year Chemical Engineering Students (28 students), Non-Teaching and Security Staff
Faculty Coordinator: Prof. Nitish Galande, Chairman of the Disaster Management Cell, GIT-Lavel
Institute: Gharda Institute of Technology, Lavel

Introduction

On 9th October 2025, a **Fire Extinguisher Mock Drill** was organized at **Gharda Institute of Technology (GIT)** by the **Disaster Management Cell** in collaboration with the **Department of Chemical Engineering (SPACE)**.
The event aimed to provide hands-on training and awareness to students and staff about fire safety, types of fire extinguishers, and their proper usage in emergency situations. The drill was coordinated by **Prof. Nitish Galande**, Chairman of the Disaster Management Cell, with support from **Mr. Sahil Khasase**, Student Coordinator, SPACE.

Objectives of the Drill

1. To create awareness about fire hazards and preventive safety measures.
2. To demonstrate the correct use of different types of fire extinguishers.
3. To train students and staff for effective emergency response and evacuation.
4. To enhance preparedness and coordination during fire emergencies.
5. To promote a culture of safety within the institute premises.

Key Focus Areas

1. Fire Safety Awareness

Participants were introduced to various types of fire extinguishers such as **CO_2, Dry Chemical Powder, and Foam type**.
The instructors explained:
• Classifications of fires (Class A, B, C, and Electrical).
• Causes of common fire incidents in laboratories and offices.
• Fire prevention methods and importance of safety audits.

Student Queries:
• How to identify which type of extinguisher to use?
• What are the safety precautions before operating a fire extinguisher?
• What actions should be taken immediately after extinguishing the fire?

2. Practical Demonstration and Hands-on Training

The demonstration was conducted by **Security Incharge Mr. Bhuran** and **Security Officer Mr. Nitin Latake**.
Participants learned and practiced the **PASS technique** – *Pull, Aim, Squeeze, and Sweep*.
They were shown how to extinguish small fires safely and maintain calm during emergencies.

Students learned:
• The step-by-step use of fire extinguishers.
• Importance of maintaining equipment in working condition.
• Coordination and communication during emergencies.

Student Queries:
• How often should fire extinguishers be refilled or inspected?
• Can extinguishers be reused after one operation?
• What is the correct way to dispose of expired extinguishers?

3. Emergency Response and Preparedness

The drill also included a mock evacuation activity where participants practiced moving to assembly points quickly and safely.
Emphasis was placed on:
• Identifying safe exit routes.
• Alerting authorities promptly.
• Assisting injured or trapped individuals during emergencies.

Learning Outcomes

1. **Fire Safety Knowledge:** Students learned about fire types, extinguishing agents, and preventive measures.
2. **Practical Training:** Participants gained hands-on experience in operating fire extinguishers.
3. **Emergency Response Skills:** The drill improved their quick decision-making and teamwork during crises.
4. **Preparedness Awareness:** The session enhanced readiness to respond to fire emergencies confidently.
5. **Institutional Safety Culture:** The event promoted awareness and responsibility toward workplace safety.

Importance of the Drill

The mock drill served as a crucial step in developing a **safety-first culture** at GIT. It provided real-life simulation training to ensure all students and staff know the correct procedures during a fire. Such drills are essential for minimizing panic, reducing fire-related risks, and ensuring overall campus safety.

Sample Questions Asked During the Drill

1. What is the difference between CO_2 and Dry Chemical extinguishers?
2. How can we prevent short circuits in laboratories?
3. What are the regular maintenance checks for fire extinguishers?
4. How to act during a fire emergency when smoke spreads rapidly?
5. Who should be contacted first during a fire incident?

Objectives of the Fire Drill

1. To provide safety education and awareness among students and staff.
2. To demonstrate the use of fire fighting equipment practically.
3. To develop quick response and coordination skills.
4. To prepare participants for real-life fire emergencies.
5. To ensure compliance with institutional safety protocols.

Key Learning Parameters (Aligned with AICTE Guidelines and CO-PO Mapping)

1. Fire Safety and Emergency Preparedness

• **Outcome 1 (PO1 – Engineering Knowledge):**
Students understood the technical working and classification of fire extinguishers.
• **Outcome 2 (PO6 – Engineer and Society):**
They realized the importance of safety responsibilities in protecting lives and property.
• **Outcome 3 (PO7 – Environment and Sustainability):**
Students learned sustainable and safe handling practices to prevent environmental hazards.

2. Leadership and Team Coordination

• **Outcome 1 (PO9 – Individual and Team Work):**
Students worked in teams to execute safe evacuation and firefighting.
• **Outcome 2 (PO10 – Communication):**
The drill strengthened their communication and coordination during emergency scenarios.
• **Outcome 3 (PO11 – Project Management and Finance):**
Participants learned the importance of periodic audits and maintenance planning for safety systems.

Learning Outcomes (CO-PO Aligned)

1. **CO1, PO1:** Understanding types and operation of fire extinguishers.
2. **CO2, PO6:** Applying safety awareness in laboratories and workplace environments.
3. **CO3, PO7:** Promoting sustainability through safe practices and responsible resource use.
4. **CO5, PO9, PO10:** Developing teamwork and effective communication during emergencies.
5. **CO6, PO11:** Recognizing the importance of planning, inspection, and preventive measures.

List of Students:

Sr. No	Name Of Student
1	AMBRE SHIVTEJ SACHIN SANIKA

2	AMBRE VEDANT ANANT AMIKSHA
3	BAHUTALE ATHARVA PRAMOD PRAJAKTA
4	BAHUTALE TEJAS SANJAY SAKSHI
5	BAIKAR PRANAY GANESH PRIYANKA
6	CHAVAN SARTHAK ARUN REKHA
7	CHAVAN SARVESH SUNIL SARITA
8	DANGAR PIYUSH ARUN SUNITA
9	GURAV SAMRUDDHA SANTOSH SANJEEVANI
10	JADHAV SIDDHESH VIJAY VIJAYA
11	KADAM VIRAJ MANGESH MEENA
12	KALAMBATE ADITYA BALIRAM KALYANI
13	KHARAT SIDDHI DASHARATH DARSHANA
14	KHASASE SAHIL SANTOSH SIDDHI
15	MAHAKAL DHANSHREE SURESH SHWETA
16	MITHA MUHAMMAD MUBEEN TAHIRA
17	MORE ADITYA SUNIL NANDA
18	MORE PRATHAMESH SANDESH SAMPADA
19	PATIL OM GIRISH SEEMA
20	PATIL SARTHAK SIDDHOJI SHITAL
21	RAHATE SHUBHAM SUBHASH ANKITA
22	ROHILKAR VRUNDAVAN VIKAS VISHAKHA
23	SHINDE APURVA ANIL ANAMIKA
24	TAMBITKAR SAHIL CHANDRAKANT SWATI
25	VICHARE ADITI ARVIND ASMITA
26	WADKAR SAIRAJ KASHINATH ASHARANI

Photographs:


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:26
17.64997, 73.46432
JFX7+QQW, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:13
17.64998, 73.46425
MF27+5JH, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:26
17.64997, 73.46432
JFX7+QQW, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:28
17.64998, 73.46429
JFX7+QQW, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:28
17.64999, 73.46429
JFX7+QQW, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:30
17.64995, 73.46421
MF27+5JH, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:26
17.64997, 73.46432
JFX7+QQW, Dabhil 415708


Gharda Institute Of Technology
Mock Drill Fire Extinguisher
09.10.2025 15:25
17.65006, 73.46423
MF27+5JH, Dabhil 415708

Conclusion

The **Fire Extinguisher Mock Drill** conducted on **09.10.2025** at **Gharda Institute of Technology** was a valuable and practical learning experience. It provided students and staff with essential fire safety skills, improved their emergency response preparedness, and strengthened the institute's commitment toward safety and sustainability. The event highlighted the importance of teamwork, awareness, and timely action during emergency situations.

Mr Sahil Khasase	**Mr. Santosh Bhuran**	**Mr.Nitin Latake**
Student Coordinator-GIT,Lavel.	Security Officer, GIT-Lavel	Security Officer, GIT-Lavel

Dr. Sunil Kulkarni	**Prof. Nitish D.Galande**
Head,Chemical Engg, Departyment	Chairman, Disaster Management Cell/Faculty Coordinator SPACE