

A ONE-DAY CERTIFICATE PROGRAM ON MEDICAL PREPAREDNESS AND RESPONSE IN CHEMICAL EMERGENCIES'



Supported by

Background

In the backdrop of India's remarkable industrial growth and technological advancements, Gujarat stands out as a major contributor to the nation's chemical production. The state hosts a diverse range of chemical industries, including manufacturing, petrochemicals, pharmaceuticals, agrochemicals-fertilizers, pesticides, and industrial chemicals. While these industries drive economic development, they also introduce the potential hazard of chemical emergencies, necessitating a robust medical response system.

Chemicals are at the core of modern industrial and production systems, making the risk of accidents involving chemicals a critical concern for disaster management within the government, corporate sector, and the larger community. While major chemical disasters may occur infrequently, their potential impact such as loss of lives, adverse effects on the health of human beings and overall environmental damage, property destruction, and socio-economic implications is significant.

Gujarat's industrial sector is a major pillar of the national economy, featuring industrial clusters, special economic zones, and large manufacturing units. The state has witnessed rapid industrial growth, particularly in the chemical sector, leading to increased handling and management of hazardous chemicals. The integral role of chemicals in modern industrial processes brings forth the risk of accidents, emphasizing the need for effective emergency response systems. While industrial growth has brought prosperity, it has also posed substantial challenges concerning Occupational Safety and Health (OSH).

NEED FOR THE CAPACITY BUILDING

As technology and industrial processes advance, newer and more complex risks continue to emerge, necessitating specialized medical preparedness and response capabilities. Medical and Healthcare professionals play a pivotal role in responding to chemical emergencies by providing immediate medical assistance, managing casualties, and mitigating the health impacts of chemical exposure. Therefore, it is essential to equip them with the right knowledge and skills to effectively manage such situations.

To address this critical need, a **Certificate Program on 'Medical Preparedness and Response during Chemical Emergencies'** has been jointly designed by **Gujarat Institute of Disaster Management (GIDM), Indian Medical Association (IMA), Indian Association of Occupational Health (IAOH), and PI Foundation**. This collaborative initiative aims to build the capacities of healthcare professionals by equipping them with comprehensive knowledge and practical skills to effectively respond to chemical emergencies. Upon successful completion of the program, participants will receive a **certificate under Continuing Medical Education (CME) approved by IMA**, contributing to their professional development and enhancing emergency preparedness across the healthcare system.

OBJECTIVES

1. To familiarize Medical and Healthcare professionals with the types of chemical incidents and their health implications.
2. To provide in-depth knowledge about medical first response for victims affected by chemical exposure.
3. To equip Medical and Healthcare professionals with the skills for immediate medical interventions, including treatment and administration of antidotes.
4. To enhance understanding of hospital preparedness, safety, and occupational health in the context of chemical emergencies.

TARGET PARTICIPANTS

This program is designed for healthcare professionals, specifically targeting:

- Doctors and Medical Practitioners
- Healthcare Administrators and Managers
- Factory Medical Officers
- Paramedical Staff
- Public Health Professionals

PROGRAM COVERAGE

This program is specifically designed to equip Medical professional with comprehensive knowledge and skills essential for managing chemical cases and effectively responding to emergencies.

Key Topics:

- Injury Mechanisms
- Medical First Response during Chemical emergencies
- Occupational Health & Safety
- Antidotes and Medical Countermeasures
- Case Study

FACULTY

The faculty would be from GIDM, Industry, Academia and Medical Expert.

EXPECTED OUTCOMES

Upon completion of this training, the medical professionals are expected to:

- Demonstrate a comprehensive understanding of chemical emergencies and their medical implications.
- Apply specialized medical interventions for managing health issues arising from chemical exposure.
- Effectively contribute to emergency response efforts and collaborate with relevant stakeholders.
- Demonstrate proficiency in implementing medical protocols and procedures specific to chemical emergencies.

Program Details

Date: 26 June 2025

Duration: 1 Day

Venue: IMA, Vadodara

Program Fee: INR 500/-

Registration: Scan the QR code to register



IAOH Organizing Committee

President: Dr. Jagdish Kamath

Secretary: Dr. Milan Thaker



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