

Post Graduate Certificate in Management - Pre-Hospital Care (PGCM-PRHC)

Program Overview

IHMR Bangalore, in collaboration with Red-Health Academy, proposes to launch a unique and comprehensive 11-month "Post Graduate Certificate in Management - Pre-Hospital Care." This program is designed to equip professionals with the critical knowledge and skills necessary to efficiently manage pre-hospital emergency care. It bridges clinical expertise with managerial and technical competencies, focusing on emerging challenges in emergency medical services (EMS).

Program Objectives

- To create highly skilled professionals capable of managing pre-hospital care settings with a focus on patient safety, communication, and ethical standards.
- To integrate management principles with core emergency medical practices to meet the growing demand for structured and efficient EMS.
- To address regulatory and technological advancements, enabling graduates to operate seamlessly in dynamic healthcare environments.

Key Highlights

The program emphasizes a balanced curriculum that includes:

- **Patient Communication, Consent, and Ethics:** Training on culturally sensitive patient communication, informed consent protocols, and ethical decision-making in high-stress environments.
- **Regulatory Knowledge:** Comprehensive understanding of national and international EMS regulations, medico-legal aspects, and accreditation requirements.
- **Data Management and IT:** Leveraging digital tools for pre-hospital care documentation, patient data management, and real-time communication with hospitals and regulatory authorities.
- **Core Emergency Medical Services Modules:** Hands-on training in airway management, trauma care, pharmacology, and disaster management based on global best practices.

Program Structure

The program includes the following modules, combining theoretical instruction with practical training:

1. EMS Roles and Responsibilities:

- Introduction to the EMS system, operational frameworks, and the role of emergency responders.

2. Patient Communication, Consent, and Ethics:

- Training on effective communication with patients and families, informed consent, and ethical decision-making.

3. Emergency Medical Regulations:

- Detailed study of EMS laws, medico-legal aspects, and national/international accreditation standards.

4. The Human Body and Human Systems:

- Foundational knowledge of anatomy and physiology to aid patient assessment in emergencies.

5. Patient Assessment:

- Techniques for rapid patient evaluation, including primary and secondary assessments in various scenarios.

6. Airway Management:

- Practical training in airway techniques, intubation, and ventilator support.

7. Pharmacology:

- Safe administration of emergency medications, including dosage calculation and monitoring.

8. Trauma Management:

- Handling traumatic injuries, including fractures, burns, and multi-system trauma cases.

9. Medical Emergencies:

- Managing acute medical conditions such as cardiac arrest, stroke, and respiratory distress.

10. Disaster Management:

- Preparedness and response strategies for large-scale emergencies and natural disasters.

11. Ambulance Operations and Logistics:

- Training on vehicle operations, equipment handling, and route planning for emergency scenarios.

12. Leadership and Team Dynamics in EMS:

- Building leadership skills to manage EMS teams, resolve conflicts, and improve team efficiency.

13. Data Management and IT in Pre-Hospital Care:

- Utilizing IT tools for patient data management, telemedicine integration, and decision support systems.

14. Internship Details

- The 2-month internship provides practical exposure in real-world settings, allowing participants to:
- Apply Theoretical Knowledge: Practice patient communication, consent protocols, and ethical standards in real scenarios.
- Engage in EMS Operations: Work with ambulance services, emergency departments, and disaster management teams.
- Collaborate in Team Dynamics: Lead and coordinate EMS teams under supervision.
- Utilize IT Tools: Document cases, manage data, and contribute to operational improvements

Program Delivery Approach

1. Blended Learning Model:

- **Classroom Instruction:** Core theoretical principles and best practices.
- **Simulation Training:** Hands-on sessions with advanced simulation tools for real-world emergency scenarios.
- **Field Practicum:** Placement in leading EMS services and hospitals to gain practical exposure.

2. Workshops and Seminars:

- Interactive sessions with industry leaders on emerging trends and challenges in EMS.

3. Assessments:

- Continuous evaluation through exams, clinical demonstrations, and project submissions.

Program Modules and Credits

Module	Credits	Classroom Hours	Clinical/Lab Hours	Total Hours
EMS Roles and Responsibilities	3	20	10	30
Patient Communication, Consent, and Ethics	3	20	10	30
Emergency Medical Regulations	3	20	10	30
The Human Body and Human Systems	4	30	20	50
Patient Assessment	4	25	25	50
Airway Management	4	30	20	50
Pharmacology	4	30	20	50
Trauma Management	4	30	20	50
Medical Emergencies	4	30	20	50
Disaster Management	3	20	10	30
Ambulance Operations and Logistics	3	20	10	30
Leadership and Team Dynamics in EMS	2	15	5	20
Data Management and IT in Pre-Hospital Care	3	20	10	30
Internship (2 months)	6	-	180	180
Total	50	290	370	660

Program Outcomes

Graduates of the program will be equipped to:

- Deliver high-quality pre-hospital care while adhering to ethical and legal standards.
- Manage EMS operations with a strong understanding of data-driven decision-making.
- Lead teams in dynamic emergency care environments and respond effectively to disasters.
- Leverage IT tools to enhance patient care and operational efficiency.

Eligibility Criteria

1. Educational Qualification:

- A **bachelor's degree** in:
 - Medicine (MBBS, BDS, BAMS, BHMS, BNYS)
 - Nursing (B.Sc. Nursing or GNM with additional qualifications)
 - Allied Health Sciences (B.Sc. in Paramedical Sciences, Emergency Care, or related fields)
- **Diploma holders** in Paramedical or Emergency Medical Services with a minimum of **2 years of work experience** in healthcare or EMS.

2. Work Experience (Preferred but not mandatory):

- Experience in healthcare, emergency medical services, or related fields is desirable.
- Fresh graduates with a strong interest in EMS and pre-hospital care are also eligible.

3. Age Limit:

- Applicants should ideally be between **21-35 years of age**. Exceptions can be made for experienced professionals.

4. Other Requirements:

- **Basic Computer Skills:** Familiarity with computer usage for data management and IT applications in EMS.