**Christian Medical College, Vellore**

**Paediatric Emergency Medicine, Department of Paediatrics**

**Post - Doctoral Fellowship in Paediatric Emergency Medicine – 2025**

The Department of Paediatrics, Christian Medical College, Vellore, offers a **one-year Post-Doctoral Fellowship in Paediatric Emergency Medicine (PEM)**.

Paediatric Emergency Medicine is a relatively young and rapidly evolving subspecialty within Paediatrics. The Paediatric Emergency Department at CMC is among the largest and busiest units in the country. It houses **30 in-patient beds**, of which **8 beds are fully dedicated to advanced resuscitation** for critically ill children below 16 years of age. The unit maintains **100% bed occupancy throughout the year**, and in certain situations, children may even be discharged after a short admission.

On average, the department registers **more than 3,000 children every month**, with this number expected to rise in the coming years. A significant proportion of these children—**nearly 80%—are critically ill and require resuscitative interventions on arrival**. Consequently, the procedural load is enormous, with **over 5,000 procedures performed every month**, many of them life-saving, including advanced resuscitation.

**Course Overview**

The **Post-Doctoral Fellowship in Paediatric Emergency Medicine** is a **residential, one-year programme** designed to train paediatricians in the comprehensive management of critically ill and injured children. Fellows will acquire the expertise to care for children presenting with:

* Impending cardio-respiratory arrest
* Life-threatening illnesses
* Multi-organ dysfunction states
* Conditions requiring advanced artificial support for survival

**Training Emphasis**

The programme is structured to provide extensive **hands-on clinical exposure** and **practical skills training** in:

* Advanced paediatric resuscitation protocols
* Airway management, including advanced airway techniques
* Management of severe respiratory distress and respiratory failure
* Fluid resuscitation strategies for different clinical scenarios
* Diagnosis and management of various types of shock
* Recognition and correction of electrolyte and metabolic imbalances
* Continuous Positive Airway Pressure (CPAP) and invasive ventilatory management
* Point-of-care bedside emergency ultrasound
* Simulation-based training with structured debriefing sessions

**Skill Development**

In addition to clinical skills, fellows will be trained in:

* **Debriefing and communication skills** for working effectively within multidisciplinary teams
* **Counselling skills** to support and guide families in crisis situations
* **Research methodology** and **publication skills** to contribute to academic development in the field of Paediatric Emergency Medicine

This Fellowship aims to create **competent, confident, and compassionate paediatric emergency specialists**, equipped to handle the growing burden of acutely and critically ill children in India and globally.

**Eligibility: MD/DNB Paediatric**

**Duration: 1 Year**