



# Critical Gaps

- **The biggest challenge hospitals are facing is recruitment of nurses in specialty areas like critical care, emergency room, Operation Theater etc**
- **Rapid depletion in quality of nursing candidates requiring urgent skill enhancement**
- **Lack of continuous professional development**
- **Curriculum not designed as per industry requirements**
- **Poor soft skills and lack of exposure to international best practices**
- **Prohibitive recruitment cost and logistic challenges**
- **High infection rate amongst front line workers; therefore need to develop reserve forces**
- **Management on Bio Medical Equipment is a specialized skill that is scarce amongst the healthcare workforce**
- **Nurses unaware and untrained regarding several features of Bio Medical Equipment**
- **Doctors & nurses do not have easy access to knowledge of critical hospital equipment**

## Bridging the Gap : **PARAMEDTRONICS** – An Innovative Public Private Partnership

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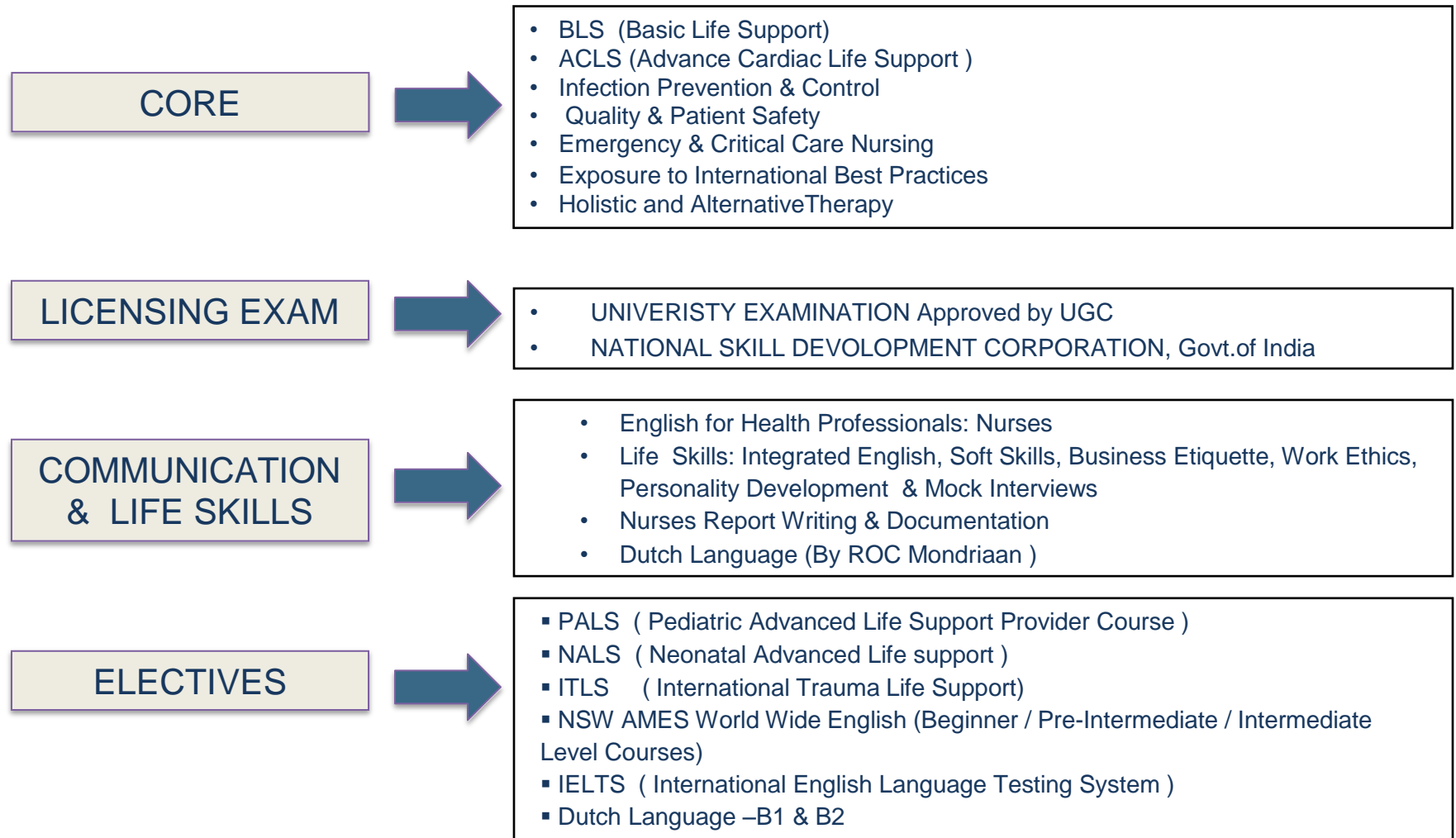
- There is an urgent need for enhancing their clinical skills, provide exposure to best practices and hone soft skills making them more suitable for the job market abroad.
- The Paramedtronics Program is designed, developed and managed by ARCYON INTERNATIONAL INSTITUTE OF MEDICAL SCIENCE & TECHNOLOGY COUNCIL @ IIMSTC @ AIIMS TECHNOLOGY COUNCIL registered u/s 8 with Ministry of corporate affairs & NITI Ayog, Govt. of India having a partnership with STICHTING MAITRI associated with Government of Netherland

# What is Paramedtronics

## Nursing Institute for Career Enhancement

- A Centre of Excellence for Nurses focused on developing employable skills, enabling career progression and providing market-led, placement-linked training into the NL and EU
- The Program helps nurses in acquiring International Best Practices, relevant skill training in Infection Prevention and Control, Quality and Patient Safety, Basic and Advanced Cardiac Life Support (BLS ACLS), Emergency and Critical Care Nursing, Rapid Onsite Treatment, Documentation, training in English and Dutch communications, Soft Skills, Patient Psychology, Medical Law & Ethics, Hospitality & Personality Development and Work Ethics
- Program customized for registered nurses with minimum 2 years clinical bed side experience
- Program can also provide coaching for all major licensing exams as required in the destination countries
- Course is designed as fully residential program.
- Pilot batch is only 25 students beginning from 1<sup>st</sup> of February 2023 to 31<sup>st</sup> of May 2023

# Program : Curriculum Grid



# Entry Criteria

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## **1. Registered by State/Central Nursing Council**

## **2. Eligibility screening**

- Certified Graduate or Diploma in Nursing (B.Sc. Nursing / GNM 3.5 years from a recognized University / Council) with minimum 2 years of clinical bed side experience

## **3. Written Test**

## **4. Interview & Counselling**

## **5. Certificates and Credential Verification**

## **6. Background verification**

# Delivery Model

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- Instructor-led classroom training using audio-visual aids
- Role plays
- Group Case Discussions
- Scenarios
- Hands-on training using mannequins/AR/VR/visual stimulation Labs
- On-Job Training
- Industrial Training

# Infrastructure

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## **State-of-the-art facilities at IIMSTC**

- Sprawling 50 acre green campus with world class amenities
- Spacious, Interactive Classrooms with modern equipment
- Well-equipped Laboratories
- 24x7 wifi High Speed Internet
- Seminar Hall
- International Standard Virtual Lab with immersive technology
- Well-stocked Digital Library and Subscriptions
- Examination Centre
- Hostel Facilities for Boys& Girls
- Canteen (Veg &non-Veg)
- Cafeteria



# Program : Certification

Visit website: [www.iimstc.com](http://www.iimstc.com)

## **CERTIFICATES ISSUED:**

- **Certificate on Paramedtronics issued by Indian University recognized by UGC**
- **Dutch Language B1 Certificate by ROC Mondriaan, Netherland**

## **ADD-ON FACILITY OFFERED:**

**All successful candidates who are certified in Paramedtronics will be employed in Netherland and also eligible to pursue their Higher studies (optional) while working abroad:**

- **Diploma in Paramedtronics**
- **Post Graduate Diploma in Paramedtronics**
- **Bachelors in Paramedtronics (BSc)**
- **Post Graduate in Paramedtronics (MSc)**

# Paramedtronics : Partners in Progress

**Operations and Management Partner:** ARCYON INTERNATIONAL INSTITUTE OF MEDICAL  
SCIENCE&TECHNOLOGY COUNCIL,  
KNOWLEDGE AND SKILL INTERNATIONAL, SOUTH AFRICA

**Academic Partner** : EAST WEST GROUP OF INSTITUTIONS  
**Certification Partner** : MEDHAVI SKILL UNIVERSITY, DELHI (approved by UGC, Govt.of India)  
: NATIONAL SKILL DEVELOPMENT CORPORATION, GOVT OF INDIA  
: ELECTRONICS SECTOR SKILLS COUNCIL OF INDIA, GOVT OF INDIA  
**Assessment Partner** : IIB, KERALA (accredited by NSDC, Govt.of India)

**Primary Hospital Partner** : NARAYANA HRIDUYALAYA, BANGALORE  
**Primary Industry Partner** : SKAN RAY, MYSORE

And more...

# NICE Program : Course Content & Modules

## CORE

### **I. Basic Life Support Provider Course ( BLS)**

1. Adult & Paediatric CPR (including 2- rescuer scenarios and use of the bag mask)
2. Foreign- body airway obstruction
3. Use of automated external defibrillators with CPR

### **II. Advanced Cardiovascular Life Support Provider Course (ACLS)**

1. Defibrillation
2. Airway Management
3. Rhythm Recognition
4. IV Access
5. Use of medications
6. Cardio version
7. Transcutaneous pacing
8. 1-rescuer,CPR,AED
9. Effective resuscitation team dynamics

# NICE Program : Course Content & Modules

## CORE

### **III. Infection Prevention And Control**

1. Hand Hygiene
2. Best Isolation Policy
3. Biomedical Waste Segregation and Sharp Disposal 20 21
4. Needle Stick Injury or Blood/Body Fluid Exposure
5. Spillage-Blood and Body Fluids Spills-Cleaning Procedure
6. Safe Injection And Infusion Practices
7. Outbreak Investigation
8. Bundle Care in ICU's
9. Surveillance in Infection Control
10. Auditing in Infection Control
11. Disinfection and Sterilization
12. Environmental Infection Control
13. Discussion Forum
14. Post-Test Assessment

# NICE Program : Course Content & Modules

## IV. Quality & Patient Safety

1. Concept of quality and accreditation in health care
2. Continuous quality improvement
3. Concept of EBP (Evidence Based Practice) in nursing
4. Importance Of Documentation In quality system.
5. Patient safety
6. Clinical incident management

CORE

## V. Emergency & Critical Care Nursing and Work Ethics

1. Triage
2. Disaster Preparedness and Response
3. Rapid Response Team (RRT)
4. Management of a polytrauma patient
5. Airway management
6. Rapid sequence intubation
7. Snake bite
8. Anaphylaxis
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10. Poisoning
11. Burns
12. Performing ECG & its Interpretation
13. Chest pain
14. COPD
15. Pulmonary edema
16. Seizure

# NICE Program : Course Content & Modules

17. Stroke
18. Glasgow coma scale
19. GI bleed – upper and lower
20. ABG interpretation
21. Hypoglycemia
22. Electrolyte Imbalance:
23. Basic Ventilator settings
24. Fluid management in ICU
25. Inotrope calculation
26. Sepsis
27. Diabetic Ketoacidosis
28. Psychiatric patients in ED
29. Obstetric Emergencies
30. Procedures in ED
31. Care of bedridden patients
32. Assessment of Vital signs
33. Charts in ICU
34. ED/ICU Equipment
35. Preparation before receiving a patient in ICU
36. Intra-hospital transportation of a sick patient
37. Communication of nursing staff
38. Breaking a bad news
39. End of life care
40. Pediatric Emergency

# NICE Program : Course Content & Modules

## CORE

### VI. Exposure to International Best Practices

- I. Introduction to MIS (MEDICAL INFORMATION SYSTEM)
- II. CPOE (Computerized Provider Order Entry: )
- III. PACS (Picture Archive and Communication System)
- IV. Metrics / Key Performance Indicators

### VII. HOLISTIC and ALTERNATIVE THERAPY

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# For Admission Enquiries:

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NICE - Excellence in Nursing