

QUALIFICATION FILE – Micro Credentials

Basic Cardiopulmonary Life Support

Public Private

Upskilling Dual/Flexi Qualification For ToT For ToA

General Multi-skill (MS) Cross Sectoral (CS) Future Skills OEM

NCrF/NSQF Level: 4

Submitted By:

Healthcare Sector Skill Council

Submitting Body Contact Details: Office No. 520-521, 5th Floor, DLF Tower A, Jasola, New Delhi - 110025, India

Table of Contents

Section 1: Basic Details	3
Section 2: Training Related	5
Section 3: Assessment Related	5
Section 4: Evidence of Need of the Micro Credential	6
Section 5: Annexure Check List.....	6
Annexure: Evidence of Level	7
Annexure: Learning Outcomes and Assessment Criteria	7
Annexure: Assessment Strategy	8
Annexure: Tools and Equipment	8
Annexure: Industry Validations Summary.....	8
Annexure: Training Details	9
Annexure: Blended Learning	9
Annexure: Acronym and Glossary	10

NSQC Approved

Section 1: Basic Details

1.	Micro Credential-Qualification Name	Basic Cardiopulmonary Life Support							
2.	Sector/s	Healthcare							
3.	National Qualification Register (NQR) Code & Version <i>(Will be issued after NSQC approval.)</i>	NM-04-HE-02104-2024-V1-HSSC	4. NCrF/NSQF Level: 4						
5.	Brief Description of the Micro Credential	Demonstrate technical skills to provide high-quality chest compressions, using automated external defibrillators (AED) and relieving airway obstructions in patients/victim who is experiencing cardiac arrest, respiratory distress or an obstructed airway.							
6.	Eligibility Criteria for Entry for Students/Trainee/Learner/Employee	<p>a. Entry Qualification & Relevant Experience</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with specialization- if applicable)</th> <th>Relevant Experience (with specialization- if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12th class pass or equivalent Or 11th Grade pass with 1year relevant experience Or 10th Grade pass with 2 years of relevant experience</td> <td></td> </tr> </tbody> </table> <p>b. Age <Please specify age only in case of any legal restrictions>: 18 years</p>		S. No.	Academic/Skill Qualification (with specialization- if applicable)	Relevant Experience (with specialization- if applicable)	1	12 th class pass or equivalent Or 11 th Grade pass with 1year relevant experience Or 10 th Grade pass with 2 years of relevant experience	
S. No.	Academic/Skill Qualification (with specialization- if applicable)	Relevant Experience (with specialization- if applicable)							
1	12 th class pass or equivalent Or 11 th Grade pass with 1year relevant experience Or 10 th Grade pass with 2 years of relevant experience								
7.	Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i>	0.25	8. Common Cost Norm Category (I/II/III) <i>(wherever applicable): I</i>						
9.	Any Licensing Requirements/ Pre-requisites for Undertaking Training <i>(wherever applicable)</i>								

10.	Expected Outcomes of the Micro Credential	Demonstrate technical skills to provide high-quality chest compressions, using automated external defibrillators (AED) and relieving airway obstructions in patients/victim who is experiencing cardiac arrest, respiratory distress or an obstructed airway.												
11.	Training Duration by Modes of Training Delivery <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i>	<table border="1" data-bbox="1025 316 2033 512"> <thead> <tr> <th>Training Delivery Mode</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>3.5</td> <td>4</td> <td>7.5</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p data-bbox="1025 528 1541 555"><input checked="" type="checkbox"/> Offline Only <input type="checkbox"/> Online Only <input type="checkbox"/> Blended</p> <p data-bbox="1025 756 1518 783"><i>(Refer Blended Learning Annexure for Details)</i></p>	Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)	Classroom (offline)	3.5	4	7.5	Online			
Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)											
Classroom (offline)	3.5	4	7.5											
Online														
12.	Assessment Criteria	<table border="1" data-bbox="1025 826 1984 963"> <thead> <tr> <th>Theory (Marks)</th> <th>Practical (Marks)</th> <th>Project (Marks)</th> <th>Viva (Marks)</th> <th>Total (Marks)</th> <th>Passing %age</th> </tr> </thead> <tbody> <tr> <td>80</td> <td>50</td> <td>0</td> <td>20</td> <td>150</td> <td>70</td> </tr> </tbody> </table>	Theory (Marks)	Practical (Marks)	Project (Marks)	Viva (Marks)	Total (Marks)	Passing %age	80	50	0	20	150	70
Theory (Marks)	Practical (Marks)	Project (Marks)	Viva (Marks)	Total (Marks)	Passing %age									
80	50	0	20	150	70									
13.	Is the Qualification Amenable to Persons with Disability	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If “Yes”, specify applicable type of Disability:												
14.	How participation of women will be encouraged?	Healthcare is a field where equal opportunity and participation of women is being given as patients could belong to all genders.												
15.	Other Indian Languages in which the Micro Credential will be implemented.													
16.	Is similar Micro Credential Qualification(s) available on NQR-if yes, justification for this qualification	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:												

17.	Name and Contact Details Submitting / Awarding Body SPOC	Name: Mr. Ashish Jain Email: ashish.jain@healthcare-ssc.in Contact No.: 011-40505850,011 41017346 Website: www.healthcare-ssc.in	
18.	NSQC Approval Date: 31/01/2024	19. Validity Duration: 3 years	20. Next Review Date: 31/01/2027

Section 2: Training Related

1.	Trainer’s Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	Medical Graduate (MBBS, BAMS, BHMS, BUMS) with 1 year of clinical experience Or B.Sc. (Nursing)/ Post Basic B.Sc. Nursing with 1 years of clinical experience and 1 year of teaching experience Or GNM (General Nursing Midwifery) with 2 years of clinical experience and 1 year teaching experience
2.	Master Trainer’s Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	Medical Graduate (MBBS, BAMS, BHMS, BUMS) with 2 years of clinical experience Or B.Sc. (Nursing)/ Post Basic B.Sc. Nursing with 2 years of clinical experience and 1 year of teaching experience Or GNM (General Nursing Midwifery) with 3 years of clinical experience and 1 year teaching experience
3.	Tools and Equipment Required for Training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If “Yes”, details to be provided in Annexure)</i>

Section 3: Assessment Related

1.	Assessor’s Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	Medical Graduate with 3 year of clinical experience Or B.Sc. (Nursing)/ Post Basic B.Sc. Nursing with 4 years of clinical experience with 1 year of teaching/assessment experience Or GNM (General Nursing Midwifery) with 5 years of clinical experience with 2 year of teaching/assessment experience
2.	Proctor’s Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	
3.	Lead Assessor’s/Proctor’s Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	Medical Graduate with 5 year of clinical experience Or B.Sc. (Nursing)/ Post Basic B.Sc. Nursing with 6 years of clinical experience with 1 year of teaching/assessment experience Or GNM (General Nursing Midwifery) with 7 years of clinical experience with 2 year of teaching/assessment experience
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Mode: <input checked="" type="checkbox"/> Online Only <input type="checkbox"/> Offline Only <input type="checkbox"/> Blended
5.	Tools and Equipment Required for Assessment	<input type="checkbox"/> Same as for training <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

Section 4: Evidence of Need of the Micro Credential

As per the NCVET Guidelines for evidence of need, provide the required Annexure/Supporting documents.

1.	Government /Industry initiatives/ requirement (Yes/No):
2.	Number of Industry validation provided: < Specify both Annexure & Supporting document details for Industry validation summary & Industry validations (as per format)>
3.	Estimated number of people to be trained: <Specify details in annexure>

Section 5: Annexure Check List

Specify Annexure Number and Name.

1.	Annexure: NCrf/NSQF level justification based on NCrf Level/NSQF descriptors (Mandatory)	Annexure 1: Evidence of Level
2.	Annexure: Learning Outcomes and Assessment Criteria (Mandatory)	Annexure 2: Learning Outcomes and Assessment Criteria
3.	Annexure: Assessment Strategy (Mandatory)	Annexure 3: Assessment Strategy
4.	Annexure: List of tools and equipment relevant for qualification (Mandatory – Except in case of online course)	Annexure 4: Tools and Equipment
5.	Annexure: Blended Learning (Mandatory in case selected mode of delivery is “Blended Learning”)	
6.	Annexure: Acronym and Glossary (Optional)	

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	Work in familiar, predictable, routine, situation of clear choice. <ul style="list-style-type: none"> Individuals at this job need to provide high-quality chest compressions, using automated external defibrillators (AED) and relieving airway obstructions in patients/victim who is experiencing cardiac arrest, respiratory distress or an obstructed airway They work in familiar, predictable, routine, situation of clear choice Limit risks of infection by using appropriate infection control procedures	The individual during the job works in familiar, predictable, routine, and situation of clear choice. Refer to the evidence provided in the adjacent column. Hence it falls under Level 4	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	Factual knowledge of field of knowledge or study. <ul style="list-style-type: none"> The individual should also be able to provide high-quality chest compressions, using automated external defibrillators (AED) and relieving airway obstructions in patients/victim who is experiencing cardiac arrest, respiratory distress or an obstructed airway. He must have factual knowledge of field or study in order to perform activities correctly. 	The individual should have the practical and factual knowledge of his field. Refer to the evidence provided in the adjacent column. Hence it falls under Level 4.	4
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concept <ul style="list-style-type: none"> All these are activities that require him/her to demonstrate his practical skill, as per the scope of the job role, using appropriate tool, quality concepts, responsible for carrying out range of activities, requiring either 	The individual should have practical skills which are routine and repetitive in narrow range of application.	4

	<p>laid down approach or may adopt alternative approaches as per the best evidenced practices.</p> <p>Listen in a responsive and empathetic manner to establish rapport. This requires communication skills (written or oral) with required clarity and indicates that he/she should have the basic understanding of social environment.</p>	<p>Refer to the evidence provided in the adjacent column. Hence it falls under Level 4</p>	
<p>Broad Learning Outcomes/Core Skill</p>	<ul style="list-style-type: none"> • Ensure scene safety while responding to an emergency • Call for Help • Evaluate the victim • Provide high quality Cardio-Pulmonary Resuscitation (CPR) • Provide ventilation • Use AED to give shock to the victim <p>Provide abdominal thrust in case of choking.</p> <p>Provide back slaps to infant in case of airway obstruction</p> <ul style="list-style-type: none"> • Identify and recommend opportunities for improving health, safety, and security to the designated person 	<p>The individual should have written and oral communication skills and should be able to solve basic arithmetic and algebraic principles, also having understanding of social and natural environment.</p> <p>Refer to the evidence provided in the adjacent column. Hence it falls under Level 4</p>	<p>4</p>
<p>Responsibility</p>	<p>Responsibility for own work and learning.</p> <ul style="list-style-type: none"> • Ensure scene safety while responding to an emergency • Call for Help • Evaluate the victim • Provide high quality Cardio-Pulmonary Resuscitation (CPR) • Provide ventilation 	<p>The individual should be able to deal with the responsibilities for own work within defined limit.</p> <p>Refer to the evidence provided in the adjacent column. Hence it falls under Level 4</p>	<p>4</p>

<ul style="list-style-type: none">• Use AED to give shock to the victim <p>Provide abdominal thrust in case of choking.</p> <p>Provide back slaps to infant in case of airway obstruction</p> <p>This is further reconfirmed by the fact that the individual is expected to learn and improve his/her practice while on the job and is referred as skilled health assistants</p>		
--	--	--

Annexure: Learning Outcomes and Assessment Criteria

Detailed learning outcomes and assessment criteria for the qualification are as follows:

S. No.	Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
1.	Ensure safety	5	5	0	2
2.	Check for Response	10	5	0	3
3.	Call for Help/Activate EMS	5	5	0	2
4.	Provide high quality chest compressions - Cardiopulmonary Resuscitation (CPR)	20	15	0	5
5.	Automated External Defibrillator (AED)	20	10	0	5
6.	Basic Airway Management and Choking relief	20	10	0	3
Total Marks		80	50	0	20

Annexure: Assessment Strategy

Specify the assessment strategy and plan to evaluate the Candidate on the required competencies of the qualification.

<1. Assessment System Overview:

- Batches assigned to the assessment agencies for conducting the assessment on SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records

2. Testing Environment:

- Check the Assessment location, date and time
- If the batch size is more than 30, then there should be 2 Assessors.
- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.

3. Assessment Quality Assurance levels/Framework:

- Question bank is created by the Subject Matter Experts (SME) are verified by the other SME
- Questions are mapped to the specified assessment criteria
- Assessor must be ToA certified & trainer must be ToT Certified

4. Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding

5. Method of verification or validation:

- Surprise visit to the assessment location

6. Method for assessment documentation, archiving, and access

- Hard/Soft copies of the documents are stored

Annexure: Tools and Equipment

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	CPR Manikin Infant	Eqpt Nos	3
2	CPR Manikin Adult	Eqpt Nos	3
3	Adult Ambu Bag with Mask	Each	3
4	Spine Board with Beds with Immobilizer	Each	2
5	Paediatric Ambu Bag with Mask	Each	2
6	Neonate Ambu Bag with Mask	Each	2

7	Nursing full body Manikin adult male/ female	Eqpt Nos	1
8	Extrication equipment s (Rod, Rope, Hammer, Scissor, Fire Safety Blanket)	Each	2
9	Automated External Defibrillator (AED) adult	Eqpt Nos	2
10	Automated External Defibrillator (AED) pediatric	Eqpt Nos	2
11	Pocket mask Adult	Eqpt Nos	2

Classroom Aids:

The aids required to conduct sessions in the classroom are:

1. AV Aids
2. White Board/Smart Board 1200mm x 900mm
3. Marker
4. Duster
5. Charts
6. Models
7. Flip Chart

Annexure: Industry Validations Summary

S. No	Organization Name	Representative Name	Designation
1	Maharaja Agrasen Hospital	Dr Deepak Singla	Medical Director
2	Charnock Hospital	Dr Prमित Das	OSD- Education

3	Marengo Asia Healthcare	Lt Gen (Dr) AK Das	Medical Director
4	All India Institute of Medical Sciences (AIIMS)	Dr Rakesh Garg	Professor
5	All India Institute of Medical Sciences (AIIMS)	Dr Atul Jindal	Professor
6	Vijaya Educational Academy	Dr Gajalaxmi	Principal
7	Banchbo Healing Touch	Dr Dhires Kumar	CEO
8	Freelancer	Dr Bimal Charles	Public Health Expert
9	Savan Healthcare Pvt Ltd	Dr Pawan Agarwal	MBBS, DNB
10	PARIJAT SEVALAY PVT LTD	DR PARIKSHIT NANDI	MANAGING DIRECTOR
11	Freelancer	Dr Sudeshna Ganguly	Emergency Physician
12	Hashmi Clinic	Dr Junaid Malik	BUMS, MD
13	Noor Health Care	Dr Zahid	BUMS
14	Maulana Azad Para Medical College	Dr Tayyeb Anjum	Medical Director
15	Narayana Health	Dr V Viju Wilben	Consultant
16	Surya Padma Healthcare	Dr AV SS Subramanyam	Director
17	Zeus Institute	Dr Vijay Kumar Reddy	Managing Director
18	Amala Institute of Medical Sciences	Piljo Verghese	General Manager
19	Life Circle Health Services	Priya Anant	Director
20	Bodycure wellness center	Dr Nabasmita	Doctor
21	Al Rahman Polyclinic	Dr Nadeem	Doctor
22	Vidyanta Skills	Jaideep Herbertt	COO
23	Cloudnine Hospitals	Shweta Daniel	Nursing Head

Annexure: Training Details

Training Projections:

Year	Estimated Training # of Total Candidates	Estimated training # of Women	Estimated training # of People with Disability
2024-2025	50	NA	NA
2025-2026	100	NA	NA
2026-2027	200	NA	NA

Data to be provided year-wise for next 3 years.

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline: Online Ratio
1	<input type="checkbox"/> Theory/ Lectures - Imparting theoretical and conceptual knowledge		
2	<input type="checkbox"/> Imparting Soft Skills, Life Skills and Employability Skills /Mentorship to Learners		
3	<input type="checkbox"/> Showing Practical Demonstrations to the learners		
4	<input type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	<input type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice		
6	<input type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	<input type="checkbox"/> On the Job Training (OJT)/ Project Work Internship		

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework

OJT	On the Job Training
------------	---------------------

Glossary

Term	Description
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities based on their main economic function, product, service or technology.

NSQC Approved