





## **APPRENTICESHIP CURRICULUM (OPTIONAL TRADE)**

# **Healthcare Sector Skill Council**

# COVID Frontline Worker (Advanced Care Support) Course Code: C0092200023

 $\boxtimes$ NAPS  $\square$ Non-NAPS

NSQF Level: 4



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#### **Course Details**

1.	Course Name	COVID Frontline Worker (Advanced Care Support)					
2.	Course Code	CO092200023					
3.	Apprenticeship Training Duration:(2 to 4 weeks of BT is embedded in this duration as per the requirement of the establishment)	Months: 9					
	Remarks						
4.	Credit	TBD					
5.	NSQF Level (Mandatory for NAPS)	4		NSQC A	pproval Date: 28/05/2021		
6.	Related NSQF aligned qualification details		QP/ Qualification/ NOS Name (As applicable)	QP/ NOS Code & Version	NQR Code		
		1	COVID Frontline Worker (Advanced Care Support)	HSS/Q56051 V1.0	2021/HLT/HSSC/04205		
7.	Brief Job Role Description	The individuals on the job work under supervision of a healthcare professional a critical care unit to assist patient for daily living activities. They are also responsible for providing assistance in implementation of nursing care plan. The person is also responsible for maintaining records manually or digitally as per protocols. Their key responsibilities are mapped to the competencies required					
8.	NCO-2015 Code & Occupation (Access the NCO 2015 volumes from: https://labour.gov.in/organizationsofmole/directorate-general-employment-training-dget )	a General Duty Assistant- Advanced (Critical Care). NCO-2015/5329.0101, Patient Care Services					
9.	Minimum Eligibility Criteria       (Educational and/ or Technical Qualification)	10 <sup>th</sup> Pass	5				
10.	Entry Age for Apprenticeship	18 Years	& Above				

11.	Any Licensing Requirements (wherever applicable)	N/A							
12.	Is the Job Role amenable to Persons with Disability	🗆 Yes 🛛 No							
		If yes, check the applicable type of Disability							
		Image: DescriptionImage: DescriptionImage: DescriptionImage: DescriptionLocomotorCuredPalsyMuscularDisabilityPersonDystrophy							
		□ Acid □ Blindness □ Low Vision □ Deaf □ Hard of Attack Hearing Victims							
		□Speech□□Specific□Autism□MentalandIntellectualLearningSpectrumIllnessLanguageDisabilityDisabilitiesDisorderDisability							
		<ul> <li>Multiple</li> <li>Sclerosis</li> <li>Parkinson's</li> <li>Haemophilia</li> <li>Thalassemia</li> <li>Cell</li> <li>Disease</li> <li>Multiple</li> <li>Disabilities</li> </ul>							
13.	Submitting Body Details	Remarks: Name: Healthcare Sector Skill Council							
		E-mail ID: hsscst@healthcare-ssc.in Contact Number: 011-41017346/40505850, Extn: 111							
14.	Certifying Body	Healthcare Sector Skill council and / or Industry							
15.	Employment Avenues/Opportunities	Employment opportunities as per industry requirement							
16.	Career Progression	The candidate may further enhance their skills sets mapping to competences o Specialization in advanced procedures through bridge course.							
17.	Trainer's Qualification & Experience:	Specialization in advanced procedures through bridge course.         PhD Nursing, MSC Nursing, BSc/Post Basic BSc Nursing with 1 years of clinical experience         Or							

		General Nursing and Midwife (GNM) with 3 years of clinical experience
18.	Curriculum Creation Date	18/08/2022
19.	Curriculum Valid up to Date	28/05/2023

#### Module Details

<b>S</b> .	Module/NOS Name,	Outcomes	Assessme	ent Marks	Passing Percentage		
No	Code, Version		Th.	Pr.	Th.	Pr.	
1.	Introduction to the Program NOS Name: Assist patient in maintaining the activities of daily living NOS Code: HSS/N5125, V1.	<ul> <li>Explain the role and responsibility of a COVID Frontline Worker (Advanced Care Support).</li> <li>Discuss the code of ethics and therapeutic Communication.</li> <li>Discuss in brief the healthcare delivery system.</li> <li>Describe the various services offered to patients in a hospital setting.</li> <li>Explain various departments and their functions in the hospital.</li> <li>Explain the standard hierarchy of healthcare professionals in a healthcare facility.</li> <li>Differentiate between the IPD and the OPD.</li> <li>Explain about COVID specific care facilities, portals, and resources for latest updates about COVID protocols.</li> <li>List different types of medical instruments and</li> </ul>	15	50	70	70	
		<ul> <li>equipment used in the job role of an Advanced Care Support like patient bed, screen, BP apparatus, Wheelchair etc.</li> <li>Identify different types of medical instruments and equipment used in the job role of Advanced care support worker.</li> </ul>					

S.	Module/NOS Name,	Outcomes	Assessme	ent Marks	s Passing Percentage	
No	Code, Version		Th.	Pr.	Th.	Pr.
2.	Introduction to Human Body- Structure & Function NOS Name: Assist patient in maintaining the activities of daily living NOS Code: HSS/N5125, V1.	<ul> <li>Explain the organization of body cells, tissues, organs, organ systems, membranes and glands in the human body.</li> <li>Describe cell and various types of tissues.</li> <li>Describe different types of organ systems.</li> <li>Discuss different types of body fluids, secretions, and excretions.</li> <li>Identify various body parts/organs including organs that can be donated using 3D models/human organ system.</li> <li>Prepare human body systems using charts and models.</li> </ul>	15	30	70	70
3.	Support patient in maintaining daily living activities NOS Name: Assist patient in maintaining the activities of daily living NOS Code: HSS/N5125, V1.	<ul> <li>Learn the kinetics of joints and movements.</li> <li>Discuss about maintaining daily living activities such as bed making, bathing, grooming , elimination, taking oral medications and feeding.</li> <li>Apply general principles of movements.</li> <li>Acquaint with the process and precaution to be taken care of while transferring the patient.</li> <li>Explain the importance of positioning of a patient in his/her treatment and recovery.</li> <li>Explain various types of positions and postures employed during procedures including proning inhalation in case of hypoxia.</li> <li>Learn various kinds of means available for transferring patients.</li> </ul>	32	90	70	70

S.	Module/NOS Name,	Outcomes	Assessme	ent Marks	s Passing Percentage		
No	Code, Version		Th.	Pr.	Th.	Pr.	
		<ul> <li>Describe care to be taken while transferring patient.</li> <li>Describe care while patient is walking or using assisted devices.</li> <li>Identify pressure sores/ bed sores, understand causes for pressure sores (Bed sores).</li> <li>Explain about importance of maintaining oral, skin and nail care.</li> <li>Explain the importance of oral care in case of dentures and unconscious patient.</li> <li>Discuss the significance of keeping record of intake and output of the patient.</li> <li>Explain spill management.</li> <li>Discuss the importance of conducting Cardio Pulmonary Resuscitation (CPR) as per COVID Protocols.</li> <li>Demonstrate the practical skills for maintaining activities of daily living for patient.</li> <li>Demonstrate donning and doffing of PPE.</li> <li>Practice various patient positioning and ambulation including proning inhalation.</li> <li>Demonstrate the use of transfer equipment's like bed, trolley, wheelchair, stretcher, crutches, walkers etc.</li> <li>Practice ROM exercises.</li> </ul>					

S.	Module/NOS Name,	Outcomes	Assessme	nt Marks	Passing Percentage	
No	Code, Version		Th.	Pr.	Th.	Pr.
		<ul> <li>Practice for measuring height &amp; weight of patient using weighing machine and height meter.</li> <li>Demonstrate the method of bathing and it's types.</li> <li>Observe the points during bathing which need to be reported.</li> <li>Practice "after bath care" to the patient.</li> <li>Demonstrate the patient positioning and ambulation including proning inhalation.</li> <li>Demonstrate Cardiopulmonary Resuscitation (CPR) as per COVID Protocols.</li> <li>Demonstrate way to aid in reading and recording vital parameters such as pulse, SpO2, BP, temperature, etc.</li> </ul>				
4.	Last office care NOS Name: Carry out last office (death care) NOS Code: HSS/N5115, V1.	<ul> <li>Discuss in brief the signs of death.</li> <li>Discuss various cultural and religious sensitivities attached to death.</li> <li>Explain the method of deceased body packing specially covid 19 bodies.</li> <li>Explain the procedure of handing over the valuable items that the deceased might be wearing specially covid 19 bodies.</li> <li>Describe the process of deceased body identification details as per the hospital policies.</li> <li>Demonstrate the skill set for dead body</li> </ul>	14	60	70	70
		<ul> <li>packaging specially covid 19 bodies.</li> <li>Demonstrate the shifting and tagging of the body to the mortuary specially covid 19 bodies.</li> </ul>				

#### Apprenticeship Curriculum: NAPS

<b>S</b> .	Module/NOS Name, Outcomes	Outcomes	Assessm	nent Marks	s Passing Percentage		
No	Code, Version		Th.	Pr.	Th.	Pr.	
5.	Assist nurse in implementation of nursing care plan NOS Name: Assist nurse in implementation of nursing care plan NOS Code: HSS/N5126, V1.	<ul> <li>Explore the needs and expectations of the patient and his/her goals for the intervention.</li> <li>Identify current or previous interventions that the patient may have experienced and the immediate requirements of his/her individualized care plan.</li> <li>Ensure the environment used for the intervention is suitable, and that the privacy and dignity of the patient is protected.</li> <li>Ensure patient centricity.</li> <li>Understand patient monitoring and after care.</li> <li>Ensure effective communication between the patient and the significant other about the prognosis.</li> <li>Implement the intervention in a safe and effective manner, using evidence-based practices and processes.</li> <li>Practice the method to minimize any discomfort to the patient within the constraints imposed by the intervention method.</li> <li>Encourage the carers to give appropriate support to the patient throughout the intervention on the patient throughout the process and identify any</li> </ul>	30	30	70	70	
6.	Prepare Patient Unit	<ul> <li>indications of increased risk.</li> <li>Describe various types of linen used in hospital.</li> <li>Explain the need of periodic changing of linen.</li> <li>Describe how to prepare room for admission.</li> </ul>	19	20	70	70	

<b>S</b> .	Module/NOS Name,	Outcomes	Assessme	ent Marks	Passing Percentage		
No	Code, Version		Th.	Pr.	Th.	Pr.	
	NOS Name: Assist nurse in implementation of nursing care plan NOS Code: HSS/N5126, V1.	<ul> <li>Discuss various types of beds and their making.</li> <li>Practice admission and discharges of the patient</li> <li>Perform bed making.</li> <li>Demonstrate different types of bed.</li> </ul>					
7.	Provide ancillary services for supporting patient care NOS Name: Provide ancillary services for supporting patient care NOS Code: HSS/N5127, V1.	<ul> <li>Explain the difference between a patient requiring routine care and patient requiring specific care.</li> <li>Pay attention to patients who are bedridden or with altered sensorium.</li> <li>Ensure proper nutritional, sanitary and elimination need of the patients.</li> <li>Explain the specific care routines of the patients like geriatric, paralytic, immobile, bed ridden etc.</li> <li>Identify pressure sores/ bed sores, understand causes for pressure sores (Bed sores).</li> <li>Explain about need for and importance of back care to bed ridden and unconscious patients.</li> <li>Recording and maintain the documentation required for COVID patient including data entry as per guidelines.</li> <li>Demonstrate the skills required for specific care routines of the patients like geriatric, paralytic, immobile, unconscious and bed ridden etc.</li> </ul>	43	50	70	70	

S.	Module/NOS Name,	Outcomes	Assessme	ent Marks	s Passing Percentage	
No	Code, Version		Th.	Pr.	Th.	Pr.
		<ul> <li>Practice changing position.</li> <li>Identify different computer components and setup operating system in a computer.</li> <li>Create, format, and edit document application software such as MS Word, MS Excel, PowerPoint.</li> <li>Perform data entry (Typing) in English, Hindi/Regional language with a reasonable speed and accuracy.</li> <li>Perform data sharing/transfer data from/to computer through cables/ wireless modes using different mobile apps/ remote access software.</li> </ul>				
8.	Assist nurse in performing procedures as instructed in the care plan at Critical/Intensive care units (ICU) NOS Name: Assist nurse in performing procedures as instructed in the care plan at critical/Intensive care units NOS Code: HSS/N5130, V1.0	<ul> <li>Explain about the function and set up of Critical/Intensive care unit (ICU).</li> <li>Discuss about various equipment used in ICU.</li> <li>Explain about importance of keeping equipment handy at the time of an emergency.</li> <li>Ensure equipment being used for the procedure are in line with the organizational protocols.</li> <li>Explain about the dressing material required to assist the nurse during wound dressing.</li> <li>Explain about daily routine checking &amp; care of defibrillators, ECG Machines, syringe pump operations, alpha bed with algorithm.</li> <li>Explain about patency of articles, drugs, equipment in the critical care unit.</li> <li>Explain about need for and importance of timely changing position of the bedridden and comatose patient.</li> </ul>	25	150	70	70

<b>S</b> .	Module/NOS Name,	Outcomes	Assessme	ent Marks	Passin	g Percentage
No	Code, Version		Th.	Pr.	Th.	Pr.
		<ul> <li>Demonstrate the practical skills for maintaining activities of daily living for patient.</li> <li>Demonstrate hand hygiene practice.</li> <li>Demonstrate donning and doffing of PPE.</li> <li>Demonstrate the process of wound management esp. in case of dressing of pressure sore.</li> <li>Demonstrate the method of disinfecting, cleaning/sterilization protocols in Intensive/Critical Care Unit.</li> <li>Demonstrate the process of packing Instruments for Sterilization.</li> <li>Demonstrate the correct method of transportation of specimens such as urine, sputum, blood, stool etc.</li> <li>Demonstrate the method of daily routine checking &amp; care of defibrillators, ECG Machines, syringe pump operations, alpha bed with algorithm.</li> <li>Demonstrate the process of reading and recording vital parameters such as pulse, SpO2, BP, temperature, etc</li> </ul>				
9.	Working of Advanced medical equipment	<ul> <li>Explain the use and importance of oxygen concentrator, oxygen cylinder, nebulizer, ECG machine, pulse oximeter, steam inhaler, and suction Apparatus effectively.</li> </ul>	10	50	70	70

<b>S</b> .	Module/NOS Name,	odule/NOS Name, Outcomes		ent Marks	Passing Percentage	
No	Code, Version		Th.	Pr.	Th.	Pr.
	NOS Name: Assist nurse in performing procedures as instructed in the care plan at critical/Intensive care units	<ul> <li>Discuss about the fire safety protocols before, during and after handling of equipment.</li> <li>Demonstrate the method of operating oxygen concentrator, oxygen cylinder, nebulizer machine, ECG machine, pulse oximeter, steam inhaler, and suction apparatus.</li> </ul>				
	NOS Code: HSS/5130, V1					
10.	Infection control practices and waste management	<ul> <li>Discuss the concept of disease outbreak, epidemics, and pandemics and their impact on society at large.</li> </ul>	17	13	70	70
	NOS Name: Follow sanitization and infection control guidelines	<ul> <li>Explain the significance of following prescribed rules and guidelines during an epidemic or a pandemic.</li> <li>Differentiate between self-quarantine and self-isolation and their significance.</li> </ul>				
	NOS Code: HSS/N9622, V1	<ul> <li>Discuss the significance of social distancing and alternate ways of carrying out everyday tasks (use of e-payment gateways/online learning/virtual meetings, etc.) during a pandemic.</li> </ul>				
		<ul> <li>Discuss the significance of conforming to Advanced personal and workplace hygiene practices such as washing hands, using alcohol- based hand sanitizers, examining office supplies/deliveries and their sanitization, etc.</li> </ul>				
		<ul> <li>List various surfaces that may serve as potential fomites at workplace.</li> </ul>				

S.	Module/NOS Name,	Outcomes	Assessme	ent Marks	Passing Percentage	
No	Code, Version		Th.	Pr.	Th.	Pr.
		<ul> <li>Identify PPE to be used at workplace and the process of donning, doffing, and discarding them.</li> <li>Discuss the importance and process of identifying and reporting symptoms to the concerned authorities.</li> <li>Discuss organizational hygiene and sanitation guidelines and ways of following them and reporting breaches/gaps if any.</li> <li>Explain the importance and mechanism of proper and safe disposal, transportation, and treatment of waste.</li> <li>Discuss the ways of dealing with stress and anxiety during a disease outbreak.</li> <li>Show how to sanitize and disinfect one's work area regularly.</li> <li>Demonstrate the correct way of washing hands using soap and water, and alcohol-based hand rubs.</li> <li>Display the correct way of donning, doffing and discarding PPE such as face masks, hand gloves, face shields, PPE suits, etc.</li> <li>Demonstrate appropriate social and behavioural etiquette (greeting and meeting people, spitting/coughing/sneezing, etc.).</li> <li>Prepare a list of relevant hotline/emergency numbers.</li> </ul>				

<b>S.</b>	Module/NOS Name,	Iodule/NOS Name,OutcomesAssessment Marks		nt Marks	Passing Percentage	
No	Code, Version		Th. Pr.		Th.	Pr.
		<ul> <li>Select different types of waste and various types of colour coded bins/containers used for disposal of waste</li> </ul>				
	of waste Total Marks			543	70%	70%

# Glossary

Term	Description
Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be
	defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an
	organization.
National Occupational	NOS are occupational standards which apply uniquely in the Indian context
Standards (NOS)	
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a
	database to verify that this is the appropriate OS they are looking for.

# Acronyms

Acronym	Description	
NOS	National Occupational Standard(s)	
NSQF	National Skills Qualifications Framework	
QP	Qualifications Pack	
TVET	Technical and Vocational Education and Training	
AIDS	Acquired Immune Deficiency Syndrome	
GDA	General Duty Assistant	
MLC	Medico Legal Case	
MTP	Medical Termination of Pregnancy	

## Annexure 1: Tools and Equipment

#### List of Tools and Equipment

<Specify the Batch size, if required>

The tools and equipment required are:

S. No.	Tool / Equipment Name	Specification
1	Ambu bag with Mask (Adult)	
2	Defibrillator	
3	Wall Clock	
4	Oxygen Cylinder B type with key, tubing and trolley	
5	Hospital Bed (Automatic)	
6	Hospital Bed - Manual	
7	Bedside Locker	
8	Cardiac Table	
9	Mattress	
10	Bed Sheet	
11	Pillow	
12	Pillow Cover	
13	Wollen Blanket	
14	Wheel Chair	
15	Walker	
16	Crutch	
17	Stretcher with wheels	
18	Portable stretcher	
19	Back Rest	
20	Foot Rest	
21	Steel Basin (Large)	
22	Steel Basin (Medium)	
23	Steel Basin (Small)	
24	Bed Pan Male	

25	Bed Pan Female	
26	Urinal	
27	Air Mattress	
28	Sand Bag	
20	Weighing Machine	
30	Steel Instrument Tray (Large)	
31	Steel Instrument Tray (Medium)	
32	Steel Instrument Tray (Small)	
33	Artery Forcep	
34	Dissecting Forcep	
35	Scissor	
36	Nail Cutter & Filer	
37	Splint of varied size	
38	Cervical Collar (Medium)	
39	Spine Board	
40	Steel Plate	
41	Glass	
42	Dining Bowl	
43	Spoon	
44	Water Jug	
45	Kidney Tray of varied size	
46	IV Stand	
47	Measuring Glass	
48	Measuring Tape	
49	Goggles (PPE)	
50	Suction Apparatus with its pipelines	
51	Puncture Proof Container	
52	Thermometer	
53	Syringe all Size	
54	B.P. Monitoring Machine - Manual	
55	B.P. Monitoring Machine - Digital	
56	Hot Water Bag	

57	Ice Packs	٦ ا
58	Folley Catheter of varied size	
59	Ryle'S Tube of varied size	
60	Blood Collection tubes with different color caps(Red/Black/Voilet)	
61	Call Bell	
62	Rubber Sheet/Disposable under sheet	
63	Draw Sheet	
64	Bandage of various size	
65	Suction Cathetar of varied size	
66	Oxygen Mask adult	
67	Stethoscope	
68	Big Towel	
69	Gown - PPE	
70	Gloves (Disposable) - Packet	
71	Liquid Soap Bottle	
72	Mask - Packet	
73	Wet Wipes - Packet	
74	Comb	
75	Tooth Brush	
76	Toothpaste	
77	Hair Oil	
78	Shampoo	
79	Bath Soap	
80	Small Bath Towel	
81	Sponge Cloth	
82	Face Towel	
83	Different Colur Plastic Bags With Dustbins	
	(Red)	
84	Different Colur Plastic Bags With Dustbins (Blue)	

85	Different Colur Plastic Bags With Dustbins	
	(Black)	
86	Different Colur Plastic Bags With Dustbins	
	(Yellow)	ļ
87	Uro Bag	
88	Urine/ Stool Sample Collection Bottle	
89	Gauze Piece (4X4)	
90	Betadine Solution Bottle	
91	Cotton Absorbent	
92	Normal Saline Bottle	
93	Micropore of varied size	
94	Diposable Spatula	
95	Hydrogen Peroxide Bottle	
96	CPR Manikin	
97	Nursing full body Manikin male/female	
98	Screens for Privacy	
99	Diaper (Adult)	
100	Shaving Kit	
101	Steam Inhaler	
102	Hand Washing Sink	
103	Patient Dress Male	
104	Patient Dress Female	
105	Air mattress	
106	Spirometer	
107	Distilled Water	
108	Adjustable Cane	
109	Cardiac Monitor	
110	ECG Machine with Leads	
111	Electrodes	
112	Syringe Pump	
113	Nebulizer Machine with all accessories	
114	Humidifier	

115	Flowmeter	
116	Oxygen Concentrator with all accessories	
117	Nasal Cannula/ Prong	
118	ET Tube Adult	
119	Venturi Mask	
120	COVID PPE Kit	
121	Hand Sanitizer	
122	Dead Body Bag	
123	Laptop/ Computers	

#### **Classroom Aids**

The aids required to conduct sessions in the classroom are:

- 1 Projector
- 2 Computer/laptops
- 3 Internet connectivity
- 4 Whiteboard
- 5 Chairs
- 6 Marker
- 7 Duster
- 8 Registers
- 9 Pen
- 10 Pencil

#### Annexure 2: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the apprentice on the required competencies of the program.

National Occupational Standards (NOS)	Theory Marks Allocation			other Marks Allocation	
	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total
HSS/N5125.Assist patient in maintaining the activities of daily living	62	150	0	20	232
HSS/N5126.Assist nurse in implementation of nursing care plan	49	0	0	50	99
HSS/N5127.Provide ancillary services for supporting patient care	43	0	0	50	93
HSS/N5130.Assist nurse in performing procedures as instructed in the care plan at critical/Intensive care units	35	100	0	100	235
HSS/N5115.Carry out last office (death care)	14	35	10	15	74
HSS/N9622.Follow sanitization and infection control guidelines	17	13	0	0	30
Total	220	298	10	235	763

## Annexure 3: Mode of Training

The following Modules/NOS may also be delivered online for which the resources are provided in the given table.

S. No.	Module Name/NOS Name (As Per Curriculum)	Name of Mapped Online Component	URL of Mapped Online Component

Infra requirement:

- Projector
- White board
- Lights
- PPT
- laptops