

**MINUTES OF THE 38<sup>th</sup> MEETING OF NATIONAL SKILLS QUALIFICATIONS  
COMMITTEE (NSQC) HELD ON 30<sup>th</sup> MAY 2024**

The **38<sup>th</sup> meeting** of the National Skills Qualifications Committee (NSQC) was held on **30<sup>th</sup> May, 2024** through hybrid mode, under the Chairpersonship of Dr. Nirmaljeet Singh Kalsi, Chairperson, National Council for Vocational Education and Training (NCVET). The list of participants is at **Annexure I**. The decisions taken by the Committee, w.r.t agenda items, in the meeting are given in the succeeding paras.

**1. AGENDA ITEM 01: Confirmation of the Minutes of the 37<sup>th</sup> Meeting of NSQC held on 30<sup>th</sup> April 2024**

**1.1.** The Committee was apprised that the Minutes of 37<sup>th</sup> meeting of NSQC were circulated and the following editorial corrections have been received.

**1.1.1.** The committee was informed that four (04) Qualifications of the Directorate General of Artillery were approved. The heading of the table, where the qualifications were listed in the Annexure VI was erroneously mentioned as “Directorate General of Infantry” in the minutes of the 37<sup>th</sup> NSQC meeting. The correct heading may be read as “**Directorate General of Artillery**”.

**1.1.2. *The Committee confirmed the Minutes of the 37<sup>th</sup> meetings of the NSQC along with above corrections.***

**2. AGENDA ITEM 02: ACTION TAKEN REPORT ON THE DECISIONS TAKEN IN THE 37<sup>TH</sup> MEETING OF NSQC**

**2.1** A detailed account of the **action taken** was presented before the Committee in the Minutes of the 37<sup>th</sup> meeting of NSQC. The Committee acknowledged the action taken and **approved** the same and further emphasized the following:



### 2.1.1. Introducing a system of Re-assessment and fixing the minimum pass percentage for Skill Based Courses in VETS

2.1.1.1. It was apprised that two meetings of the committee constituted for introducing a system of Re assessment and fixing the minimum pass percentage for Skill Based Courses in VETS were held on 27/03/24 and 17/05/24. Accordingly, draft recommendations were circulated to all members. Comments have been received and the report is being finalized.

2.1.1.2. The Committee directed to carry out consultations with CBSE, AICTE and UGC before finalizing the report.

2.1.1.3. ***The Committee took note of the status and directed to submit the report within two weeks.***

### 2.1.2. Unavailability of Trainee's and Trainer's Handbook for PMKVY 4.0 Qualifications

2.1.2.1. In the 36th meeting of NSQC, the Committee had directed all ABs (SSC) to submit Trainee's Handbooks and Trainer's Handbooks for all PMKVY 4.0 Qualifications within one week from the 36th meeting of NSQC for implementation of PMKVY Qualifications.

2.1.2.2. The Committee was apprised about the status regarding the submission of Trainee's and Trainer's handbook by ABs (SSC). The details of the ABs (SSC) who have submitted the same are as follows:

1	Aerospace & Aviation Sector Skill Council	16	National Association of Software Service Companies (NASSCOM)
2	Agriculture Sector Council of India	17	Power Sector Skill Council
3	Apparel Made-Ups and Home Furnishing Sector Skill Council	18	Logistics Sector Skills Council
4	Automotive Skill Development Council	19	Tourism & Hospitality Skill Council



5	Banking, financial and insurance (BFSI) SSC	20	Retailers Association Skill Council of India
6	Construction Skill Development Council of India Received	21	Sector Skill Council for Food Processing
7	Electronics Sector Skill Council of India	22	Skill Council for Green Jobs
8	Handicrafts and Carpet SSC	23	Skill Council for Mining Sector
9	Beauty and Wellness SSC	24	Skill Council for Persons with Disabilities
10	Iron and Steel SSC (IISSSC)	25	Sports, Physical Education, Fitness and Leisure Skills Council Furniture and Fittings
11	Leather SSC	26	Telecom Sector Skill Council
12	Life Sciences Sector Skill Development Council	27	Textile Sector Skill Council
13	Management & Entrepreneurship and Professional Skills Council	28	Water Management and Plumbing Skill Council
14	Media and Entertainment Skill Council	29	Capital Goods and Strategic Skill Council
15	Infrastructure Equipment Skill Council	30	Hydrocarbon SSC

**2.1.2.3.** The details of the ABs (SSC) who have not submitted Trainee's and Trainer's Handbook for PMKVY 4.0 Qualifications are as under:

1	Healthcare Sector skill Council	3	Gems and Jewellery Skill Council of India
2	Instrumentation Automation Surveillance and Communication SSC	4	Rubber, Chemical and Petrochemical Skill Development Council

**2.1.2.4.** *The Committee took note of the status and directed the remaining ABs (SSC) to submit the Trainee's and Trainer's Handbooks within the next ten (10) days from the 38th NSQC.*

**2.1.2.5.** *In addition, the Committee also directed that all qualifications not having corresponding Trainee's and Trainer's Handbooks be archived after the above mentioned period.*

### **2.1.3. NSQF Levels and the suggested nomenclature for Defence Qualification**

**2.1.3.1.** The Committee was apprised that a communication was disseminated to the Indian Army, Indian Navy, and Indian Air Force regarding the submission of revised nomenclature and entry requirements in accordance with NSQC decisions. The Committee had directed to expedite and complete the process in next 30 days from 37<sup>th</sup> NSQC meeting which was held on 30<sup>th</sup> April 2024.

**2.1.3.2.** Accordingly, ARTRAC had shared a total of **123** qualifications from seven Directorates with changes in nomenclatures/entry requirements and the same was approved in the 37<sup>th</sup> meeting of NSQC. Subsequently, ARTRAC has shared **(07) seven qualifications** from **Directorate General of Armed Corps** with change in eligibility criteria. Details are placed as **Annexure II**.

**2.1.3.3.** *The Committee took note of the status and acknowledged the same.*

### **2.1.4. One Qualification and nine NOSs of SSC NASSCOM presented during the 37<sup>th</sup> NSQC held on 30<sup>th</sup> April 2024 for approval.**

**2.1.4.1.** The Committee was apprised that the NOSs were conditionally approved subject to the submission of validations from UGC and AICTE where they are intended to be implemented.

**2.1.4.2.** Accordingly, SSC NASSCOM submitted **10 academic validations** along with **11 Industry Validations** and compliance has been met.

**2.1.4.3.** *The Committee took note of the current status and acknowledged the same.*



**3. AGENDA ITEM 03: REVISION IN ENTRY REQUIREMENTS OF THREE QUALIFICATIONS OF CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT (CUTM)**

**3.1.** The Committee was apprised that in the 35th Meeting of the NSQC held on January 31, 2024, three qualifications received from Centurion University of Technology and Management (CUTM) were approved namely:

1. Crop and plant supervisor
2. Elective 1: Dragon Fruit
3. Elective 2: Lemon Grass were placed for approval
4. Post-harvest Commodity Test and Storage Supervisor
5. Agriculture Value Addition Consultant

**3.2.** However, the Committee was further apprised that the developing body, CUTM has requested for revision in the entry requirement of the three above mentioned qualifications. The details of these qualifications are as under –

<b>Sl. No</b>	<b>Qualification name</b>	<b>NSQF Level</b>	<b>Old entry requirements at level 5 (for all three qualifications)</b>	<b>Corrected entry requirements at level 5 (for all three qualifications)</b>
1	Crop and plant supervisor Elective 1: Dragon Fruit Elective 2: Lemon Grass	5	Pursuing 3rd / 4th year BE, B.Tech (Mechanical, Production, Mechatronics)* after UG Diploma OR 12 + 2 Years Diploma (Mechanical or Production)	<b>UG Diploma or equivalent in agriculture OR Completed 3-year of Diploma in Agriculture (after 10th ) with 1.5 year of relevant experience</b>
2	Post-harvest Commodity Test and Storage Supervisor	5	OR 10 + 3 Years Diploma (Mechanical or	<b>OR 12th grade pass with 3 year</b>

3	Agriculture Value Addition Consultant	5	Production) with 1 year of experience OR Previous NSQF level of 4 with 3 years of experience OR Previous NSQF level of 4.5 with 1.5 years of experience	<b>relevant experience OR Previous relevant qualification of NSQF level 4.5 with 1.5 year relevant experience Certification in Agriculture/Farming OR Previous relevant qualification of NSQF level 4 with 3 year relevant experience in Agriculture/Farming</b>
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**3.3. The Committee took note of the status and approved the revision.**

**4. AGENDA ITEM 04: WITHDRAWAL OF THREE (03) QUALIFICATIONS OF AGRICULTURE SKILL COUNCIL OF INDIA (ASCI)**

**4.1.** The Committee was apprised that the Agriculture Skill Council of India (ASCI) requested for withdrawal of following three (03) Qualifications for which provisional approval was accorded for implementation in PMKVY 4.0.

- a) **Mushroom Grower (Small Entrepreneur)**
- b) **Non-Timber Forest Produce Collector**
- c) **Fish Seed Grower**

**4.2. The Committee approved the agenda and suggested the concerned AB to bring revised version of the Qualifications.**

**5. AGENDA ITEM 05: RATIFICATION OF ONE (01) QUALIFICATION RECEIVED FROM DIRECTORATE OF SPECIAL OPERATIONS AND DIVING, INDIAN NAVY (DSOD)**



5.1. The Committee was apprised that Directorate of Special Operations and Diving, Indian Navy (DSOD) had submitted one (01) qualification namely “Surface Supplied Air Diver (Advance)” for NSQF alignment and approval. The qualification was approved ‘on file’ by the competent authority vide F No: 36003/14/2024/NCVET dated 8/05/2024. The details of the Qualification is as follows:

Sl. No	Name of Qualification	Entry Requirements	Notional Hours	NSQF Level	Progression
1	Surface Supplied Air Diver (Advance)	12th Class & Scuba diver	Total: 1380 hrs Theory: 390 Practical: 870 ES: 120 OJT	5	Bell Diver

5.2. *The Committee noted and ratified the agenda.*

**6. AGENDA ITEM 06: RATIFICATION OF TWO (02) DIPLOMA QUALIFICATIONS (IT-ITES SECTOR) RECEIVED FROM NETTUR TECHNICAL TRAINING FOUNDATION (NTTF)**

6.1. The Committee was apprised that NTTF had submitted two (02) Diploma Qualifications by grouping the six (06) already NSQF aligned and approved qualifications as per the provisions laid in the ‘Guidelines for Diploma Qualifications in Vocational Education, Training & Skilling’. Accordingly, the diploma qualifications were granted “on file” approval by the competent authority vide **Order No. 36003/52/2023/NCVET** dated 17/05/2024.

6.2. The Committee suggested to change the nomenclature of “Diploma in Computer Engineering and IT Infrastructure” to “**Diploma in Computer**”



**Technology and IT Infrastructure”** which was accepted by the concerned AB.

6.3. The details of the two Diploma Qualifications are as follows:

Sl. No	Name of Diploma Qualification	Approved Qualifications	NSQF Level
1	<b>Diploma in Computer Technology and IT Infrastructure</b>	Assistant Technician – IT Installation	3.5
		Technician – IT Support	4
		Senior Technician Computer Engineering and IT Infrastructure	4.5
2	Diploma in Information Technology and Data Science	Assistant Technician Information Technology	3.5
		Software Developer	4
		Senior Technician – Information Technology and Data Science	4.5

6.4. **The Committee noted and ratified the agenda.**

**7. AGENDA ITEM 06: RATIFICATION OF ONE (01) DIPLOMA QUALIFICATION (AUTOMOTIVE SECTOR) RECEIVED FROM AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL (ASDC)**

7.1. The Committee was apprised that ASDC had submitted one (01) Diploma Qualification by grouping the three (03) already NSQF aligned and approved qualifications as per the provisions laid in the ‘Guidelines for Diploma Qualifications in Vocational Education, Training & Skilling’. Accordingly, the diploma qualifications were granted “on file” approval by the competent authority vide File no. 38002/10/2021 dated 09/05/2024. The details of the diploma qualification is as follows:



Sl. No	Name of Diploma Qualification	Approved Qualifications	NSQF Level
1	Diploma in Manufacturing Technology	Machining and Assembly Technician	3.5
		Fabrication and Service Technician	4
		Manufacturing and Mechatronics Lead Technician	4.5

**7.2. The Committee took note of the status and ratified the same.**

**8. AGENDA ITEM 08: REVISION OF GUIDELINES FOR ADOPTION OF QUALIFICATIONS**

**8.1.** The Committee was apprised that the guidelines for adoption of qualifications were developed and notified by NCVET on 22.02.2022. The guidelines aim to facilitate adoption of qualifications developed by other body/ies, thereby reducing duplication and also optimizing the efforts in developing qualifications.

**8.2.** However, since the skilling ecosystem is undergoing tremendous transformation owing to new policy initiatives like National Education Policy (NEP) 2020, National Credit Framework (NCrF) and introduction of the concept of standalone National Occupation Standards (NOSs), Micro-Credentials (MC) and Nano-Credentials (NC) in the Vocational Education, Training and Skilling Ecosystem (VETS), there is a requirement to modify/amend the existing Guidelines for adoption of qualification to enhance its scope by adding enabling provisions for adoption of NC/MC and NOS along with incorporation of other recent policy initiatives. This would also address the industry demand for implementation of small duration NC/MC or NOS.

**8.3. The Committee duly noted and approved the agenda.**

**9. AGENDA ITEM 09: ADOPTION OF ONE (01) QUALIFICATION BY INDIAN IRON & STEEL SECTOR SKILL COUNCIL (IISSSC) FROM SKILL COUNCIL FOR MINING SECTOR (SCMS).**

9.1 The Committee was apprised that the Indian Iron & Steel Sector Skill Council (IISSSC) has adopted one (01) NSQF aligned and approved qualification from Skill Council for Mining Sector (SCMS) with the mutual agreement of both the NCVET recognized Awarding Bodies (i.e. IISSSC and SCMS) without the payment of any fees. The details of the adopted qualification is as under:

Sl. No	Sector	Qualification Name	NQR Code	Next Review Date
1	Mining	Bulldozer Operator	2022/MIN/SCMS/06977	27 <sup>th</sup> January 2025

9.2 *The Committee took note and approved the same.*

**10. AGENDA ITEM 10: ADOPTION OF NSQF ALIGNED AND APPROVED QUALIFICATIONS BY INDIAN DEFENCE FORCES.**

10.1. The Committee was apprised that Army Training Command (ARTRAC) had shared a list of following 22 qualifications placed at **Annexure (III)** proposed for adoption by 05 Directorates of Indian Army (Awarding Bodies).

10.2. *The Committee approved the agenda.*

**11. AGENDA ITEM 11: SUBMISSION OF QUALIFICATIONS FOR NSQF ALIGNMENT & APPROVAL**

11.1. A total of **177 (63 New and 36 Revised) qualifications, 26 NOSs and 52 Micro-Credentials** were received at NCVET and **152 qualifications (50 New Qualifications, 32 Revised Qualifications, 23 NOSs and 47 Micro-Credentials)** were placed in this NSQC for approval. The detailed status of approval and decision of the Committee is placed at **Annexure IV**



**(Qualifications from Defence Forces) and Annexure V (Qualifications from Central Ministries/State Bodies/SSCs/Other Govt. & Pvt. Bodies).**

**11.2.** The detailed status of the Qualifications received is in the succeeding paras:

**11.2.1. NSQF alignment and approval of Qualifications submitted by Indian Defence Forces**

**11.2.1.1. Additional Directorate General Army Education: Ten (10)** New Qualifications were presented before the Committee and **were approved**.

**11.2.1.2. Directorate General of Corps of Signals: Eight (08)** new Qualifications were presented before the Committee and **were approved** subject to the changes in Nomenclature of two (02) Qualifications which was agreed upon by the AB is as follow:

<b>Sl. No.</b>	<b>Existing Nomenclature</b>	<b>NSQF Level</b>	<b>Suggested Nomenclature</b>
1.	Deputy Manager Cyber Auditor	5.5	<b>Deputy Manager Cyber Auditing</b>
2	Supervisor Surveyor & Painting	5	<b>Supervisor Survey &amp; Painting</b>
3	Supervisor Cyber Auditor	5	<b>Supervisor Cyber Auditing</b>
4	Deputy Manager Surveyor & Painting	5.5	<b>Deputy Manager Survey &amp; Painting</b>

**11.2.1.3. Indian Air Force: Nine (09)** revised Qualifications were presented before the Committee and were approved with the change in nomenclature of one (01) Qualification as given in the table below:



Sl. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1.	Physical Fitness Associates	4.5	<b>Physical Fitness Associate</b>

**11.2.1.4. Directorate General of Supplies and Transport: Four (04)** new Qualifications were presented before the Committee and Three (03) **were approved** and one (01) qualification namely “Equine Team Leader” was withdrawn.

**11.2.1.5. Directorate General of Ordnance Services: Four (04)** new Qualifications were presented before the Committee and **were approved**.

**11.2.1.6. *The Committee further directed to mention the number of mandatory assessments in each Qualification of NSQF Level 5 and above for all the Defence Qualifications having entry requirement as 12th pass or equivalent with a stipulated number of years of experience which is as follows:***

Sl. No.	NSQF Level	Entry Level criteria with work experience	Mandatory Number of assessments
1	5	12th pass or equivalent with eight years of experience	<b>2</b>
2	5.5	12th pass or equivalent with twelve years of experience	<b>3</b>

**11.2.2. NSQF alignment and approval of Qualifications submitted by Awarding Bodies (Central Ministries/State Bodies/SSCs/Other Govt. & Pvt. Bodies)**

**11.2.2.1. NIELIT: Seven (07) new Qualifications** were presented before the Committee and **were approved** subject to the change in the Nomenclature of one Qualification which was agreed upon by the AB is as follows:

<b>Sl. No.</b>	<b>Existing Nomenclature</b>	<b>NSQF Level</b>	<b>Suggested Nomenclature</b>
1	Chip Designer (A-Level “Chip Design”)	5	<b>Junior Chip Designer (A-Level “Chip Design”)</b>

**11.2.2.2. RUDSETI: Three (03) revised Qualifications** were presented before the Committee and **were approved**, subject to changes in Nomenclature of two following Qualifications, which were agreed upon by the concerned AB and are as follows:

<b>Sl. No.</b>	<b>Existing Nomenclature</b>	<b>NSQF Level</b>	<b>Suggested Nomenclature</b>
1	Fast Food Stall Udyami	2	<b>Laghu Udyami (Fast Food Stall)</b>
2	Photographer and Videographer Udyami	2.5	<b>Laghu Udyami (Photography and Videography)</b>

**11.2.2.3. The AB was further directed by the Committee to submit all the pending qualifications for revision by next NSQC.**

**11.2.2.4. Additional Skills Acquisition Programme (ASAP) Kerala: One (01) new Qualification** namely “Advanced Communicative English and Professional Skills Trainer” was presented before the Committee and **was approved**. It was suggested to include English as one



of the subjects in UG in the entry requirement and the same is to be mentioned in the qualification.

**11.2.2.5. MSME Technology Centre: One (01) new Qualification** was presented before the Committee and **was approved.**

**11.2.2.6. CRISP BHOPAL: One (01) new Qualification** was presented before the Committee and **was approved,**

**11.2.2.7. Agriculture Sector Skill Council of India: Twelve (12)** revised Qualifications were presented before the Committee and were approved subject to changes in 10 of the qualifications w.r.t nomenclature, level and validity as given below. Further, wherever applicable the Committee recommended CEO, ASCI to collaborate with the 74 Agricultural Universities and their Vice-Chancellors to increase the training numbers.

<b>Sl. No</b>	<b>Name of qualification</b>	<b>Type of change</b>	<b>Suggested change</b>
1	Gardener	<b>Nomenclature</b>	<b>Master Gardener</b>
2	Horticultural nursery worker	<b>Nomenclature</b>	<b>Plant Nursery Associate</b>
3	Florist	<b>Level and validity</b>	<b>i. Level reduced to 2.5 accordingly the entry requirement is revised. ii. Approved for 6 months</b>
4	Pesticide & Fertilizer Applicator	<b>Level and validity</b>	<b>i. Level reduced to 2.5 accordingly the entry requirement is revised ii. Approved for 6 months</b>



5	Flower Packager and Palletizer	<b>Level and validity</b>	<p>i. <b>Level reduced to 2.5 accordingly entry requirement is revised</b></p> <p>ii. <b>Approved for 6 months</b></p>
6	Plant Tissue Culture Technician	<b>Validity</b>	<b>Approved for 6 months</b>
7	Repair and Maintenance Technician (Farm Machinery)	<b>Validity</b>	<b>Approved for 6 months</b>
8	Custom Hiring Centre In-charge (Agri machinery)	<b>Validity</b>	<b>Approved for 6 months</b>
9	Repair and Maintenance Supervisor (Farm Machinery)	<b>Validity</b>	<b>Approved for 6 months</b>
10	Harvesting Machinery Operator Option 1: Post-harvest machineries operation	<b>Validity</b>	<b>Approved for 6 months</b>

**11.2.2.8. Capital Goods & Strategic Skill Council (CGSSC):** One (01) new Qualification submitted by CGSSC was presented before the Committee and **was approved**.

**11.2.2.9. Sector Skill Council for Food Processing Industries (FICSI):** One (01) new qualification was presented before the Committee and **was approved**.

**11.2.2.10. Handicrafts and Carpet Sector Skill Council:** One (01) new qualification was presented before the Committee and **was approved** subject to the change in the entry level criteria which was agreed upon by the AB. The details are as follows:

Sl. No.	Existing Nomenclature	NSQF Level	Existing Entry Requirement	Suggested Entry Requirement
1.	Bangle Maker	3	10th or equivalent Or 5th grade pass with 5 years of experience Or NSQF Level 2.5 with 1.5 years of experience Or NSQF Level 2 with 3 years of experience	<b>10th or equivalent</b> <b>Or</b> <b>8th grade pass with 3 years of experience</b> <b>Or</b> <b>5th grade pass with 5 years of experience</b> <b>Or</b> <b>NSQF Level 2.5 with 1.5 years of experience</b> <b>Or</b> <b>NSQF Level 2 with 3 years of experience</b>

**11.2.2.11. Hydrocarbon Sector Skill Council: Three (03) new Qualifications** were presented before the Committee and **were approved**.

**11.2.2.12. Logistics Sector Skill Council: Five (05) new Qualifications** were presented before the Committee and **were approved** subject to change in Nomenclature on one Qualification which was agreed upon by the AB which is as follows:

Sl. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1.	Marine Cargo Inspector	4	<b>Marine Cargo Junior Inspector</b>

**11.2.2.13. Skill Council for Green Jobs: Eight (08) revised Qualifications** were presented before the Committee and were approved, subject to the change in the relevant experience of one qualification namely 'Solar



PV Module Manufacturing Technician’, which was agreed upon by the AB and is given in the table below. Further, the duration for theory component of one qualification namely ‘Safai Mitra’ was erroneously mentioned as 150 hours and the corrected duration for theory component of the same may be read as “120 hours”.

Sl. No.	Qualification Name	NSQF Level	Existing Experience	Suggested Experience
1	Solar PV Module Manufacturing Technician	4	12 (Science) or equivalent	12 (Science) or equivalent <b>with 1 year of relevant experience in renewable energy/power sector</b>

**11.2.2.14. Telecom Sector Skill Council: One (01) new Qualification was presented before the Committee and was approved.**

**11.2.2.15. The Institution of Civil Engineers: One (01) new Qualification (MEP Supervisor-Maintenance) was presented before the Committee and was approved,** subject to the change in the one of the entry criteria (other remains as proposed), which was agreed upon by the AB and is given in the table below:

Sl. No.	Existing Entry Criteria	Suggested Entry Requirement
1	2 years Diploma (after 12th) in Civil or Mechanical or Electrical with one year of experience	<b>UG Diploma or equivalent in Civil/Mechanical/Electrical Engineering with one year of relevant experience</b> <b>Other entry requirements will remain the same as proposed in the Qualification</b>

**11.2.2.16. Information Technology Development Agency (ITDA): One (01) new Qualification submitted by ITDA** pertaining to IT-ITeS Sector was presented before the Committee and was approved subject to change in the NSQF Level and accordingly change in the notional hours as per NCrF standardised table which was agreed upon by the AB. The details are as below:

Sl. No	Nomenclature	Existing Entry Requirement	Existing NSQF Level	Existing Notional Hours	Suggested Entry requirement	Suggested NSQF Level	Suggested Notional Hours
1	Business Analyst - IT	<p>Completed 3/ 4 year UG program</p> <p>OR</p> <p>Completed 1st year of PG program</p> <p>OR</p> <p>Previous Relevant Qualification of NSQF level 3.5 with 1.5 years of experience in relevant trade.</p>	4	<p>Total- 480 Hrs. (Including ES)</p> <p>Theory- 210 Hrs. Practical- 160 Hrs.</p> <p>ES- 30 Hrs.</p> <p>OJT- 80 Hrs</p>	<p><b>Completed 3<sup>rd</sup> year of UG in relevant field*</b></p> <p><b>OR</b></p> <p><b>Completed UG Diploma in relevant field with 1.5 years of relevant experience *</b></p> <p><b>OR</b></p> <p><b>Completed 2 years of Diploma in IT after 12<sup>th</sup> with 1.5 years of relevant experience</b></p> <p><b>OR</b></p> <p><b>Completed 3 years of Diploma in IT after 10<sup>th</sup> with 3 years of relevant experience</b></p> <p><b>OR</b></p> <p><b>Previous relevant Qualification of NSQF</b></p>	5.5	<p><b>Total- 540 Hrs. (Including ES)</b></p> <p><b>Theory- 255 Hrs. Practical-170 Hrs.</b></p> <p><b>ES- 30 Hrs. OJT- 85 Hrs</b></p>

					<p><b>Level 5 with</b></p> <p><b>1.5 years of experience in relevant field</b></p> <p><b>OR</b></p> <p><b>Previous relevant Qualification of NSQF</b></p> <p><b>Level 4.5 with 3 years relevant experience</b></p> <p><b>*Relevant field - IT/ CSE/ Computers</b></p>		
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**11.2.3. NSQF alignment and approval of NOSs submitted by Awarding Bodies (Central Ministries/State Bodies/SSCs/Other Govt. & Pvt. Bodies)**

**11.2.3.1. NIELIT: Six (06) new NOSs** were presented before the Committee and **were approved** subject to the changes in Nomenclature of four (04) NOSs:

Sl. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1	IoT Application Development for Agriculture	3.5	<b>Introduction to IoT Application Development for Agriculture</b>
2	IoT Application Development for Building Security	3.5	<b>Introduction to IoT Application Development for Building Security</b>
3	IoT Application Development for Smart City	3.5	<b>Introduction to IoT Application Development for Smart City</b>
4	Cloud Based Robotics Industry Solutions Development	3.5	<b>Introduction to Cloud Based Robotics Solutions Development</b>

**11.2.3.2. The Committee further directed to all ABs that Occupational Map must be prepared by all the sectors and must contain the projected employment study mentioning the workforce requirement in the sector.**

**11.2.3.3. SCTE&VT, Odisha: Two (02) new NOSs** submitted by SCTE&VT, Odisha pertaining to the Capital Goods Sector were presented before the Committee and **were approved.**



**11.2.3.4. Agriculture Skill Council of India: Six (06) new NOSs** were presented before the Committee and were approved subject to the changes in the six NOSs w.r.t nomenclature and entry requirement:

Sl. No.	Name of NOS	Type of change	Suggested change
1	Sustainable usage of fertilizer and soil ameliorants	<b>Entry requirement and Nomenclature</b>	<p><b><u>Entry Requirement</u></b></p> <p>i. 12<sup>th</sup> or equivalent with 1 year of relevant experience in agriculture and allied sector</p> <p><b><u>Nomenclature</u></b></p> <p>ii. Essentials of Sustainable usage of fertilizer and soil ameliorants</p>
2	Operate solar powered appliances for post-harvest operations	<b>Entry requirement and Nomenclature</b>	<p><b><u>Entry Requirement</u></b></p> <p>i. 11<sup>th</sup> or equivalent with 1 year of relevant experience in agriculture and allied sector</p> <p><b><u>Nomenclature</u></b></p> <p>ii. Introduction to operating solar powered appliances for post-harvest operations</p>
3	Export norms for horticultural and high value crops	<b>Nomenclature</b>	<b>Fundamentals of Export norms for horticultural and high value crops</b>
4	Aggregation and Post-Harvest Management of Farm Produce	<b>Nomenclature</b>	<b>Fundamentals of Aggregation and Post-Harvest Handling of Farm Produce</b>
5	On-farm strategies to mitigate climate risks	<b>Nomenclature</b>	<b>Fundamentals of On-farm strategies to mitigate climate risks</b>
6	Biomass Processing for Agricultural Energy	<b>Nomenclature</b>	<b>Fundamentals of Biomass Processing for Energy</b>

**11.2.3.5. Healthcare Sector Skill Council: Two (02) new NOSs** were presented before the Committee and were

**approved** subject to the changes in the Nomenclature of one (01) Qualification which was approved by the AB and is as follows:

<b>Sl. No.</b>	<b>Existing Nomenclature</b>	<b>NSQF Level</b>	<b>Suggested Nomenclature</b>
1.	Jara Sahayak	4	<b>Vṛiddha Swasthya Sahayaka</b>

**11.2.3.6. Life Sciences Sector Skill Development Council:**  
**Two (02)** new NOSs were presented before the Committee and **were approved** subject to the changes in the nomenclatures which was agreed upon by the AB and is as follows:

<b>Sl. No.</b>	<b>Existing Nomenclature</b>	<b>NSQF Level</b>	<b>Suggested Nomenclature</b>
1	Foundational Skills for Life Sciences (Pharmaceutical, Medical Devices & Biotechnology) for class IX	2.5	<b>Beginner's Guide to Life Sciences (Pharmaceutical, Medical Devices &amp; Biotechnology)</b>
2	Foundational Skills for Life Sciences (Pharmaceutical, Medical Devices & Biotechnology) for class X	2.5	<b>Life Sciences (Pharmaceutical, Medical Devices &amp; Biotechnology) Fundamentals</b>

**11.2.3.7. HCL Tech: Five (05)** new NOSs were presented before the Committee and were approved subject to the changes in Nomenclature which was agreed upon by the AB. The details are as follows:



Sl. No	Existing Nomenclature	NSQF level	Suggested Nomenclature	Notional Hours
1	Network Administration with 5G	5	<b>Fundamentals of Network Administration with 5G</b>	210
2	IT Services Processes and Tools Management	5	<b>ABC of IT Services Processes and Tools Management</b>	210
3	System Administration with Linux OS	5	<b>Essentials of System Administration with Linux OS</b>	210
4	Automation Testing with Scripting	5	<b>Essentials of Automation Testing with Scripting</b>	210
5	Capstone Industry project for Application Development / Data Science	5.5	<b>Capstone Industry project for Application Development / Data Science</b>	90

**11.2.4. NSQF alignment and approval of Micro Credentials (MC) submitted by Awarding Bodies (Central Ministries/ State Bodies/ SSCs/ Other Govt. & Pvt. Bodies)**

**11.2.4.1. Agriculture Sector Skill Council: Six (06) new Micro-Credentials** were presented before the Committee and were approved subject to the following changes w.r.t entry requirement and nomenclature as given below:

SI. No	Name of Micro-credential	NSQF Level	Suggested Entry requirement	Suggested nomenclature
1	Regulatory Compliances for a Small Enterprise/FPO	4	12 <sup>th</sup> with 1 year of relevant experience*  OR  10 <sup>th</sup> with 3 years of relevant experience*	Introduction to regulatory compliances for FPO
2	Business and Marketing Plan for a FPO	4	OR  Previous NSQF level	Fundamentals of Business and Marketing Plan for a FPO
3	Accounting and Financial Management Practices for a Small Enterprise/FPO	4	3.5 with 1.5 years of relevant experience*  OR  Previous NSQF level 3 with 3 years of relevant experience*	Fundamentals of Accounting and financial management practices for FPO
4	Lead and Manage a FPO	4	<i>*Agriculture and allied sectors</i>	Essentials of managing a FPO
5	Basics of Livestock Marketing Practices	4		Fundamentals of livestock marketing practices
6	Mitigate GHG Emissions in Fish Value Chain	4		Essentials of Mitigating GHG emissions in fish value chain

**11.2.4.2. Healthcare Sector Skill Council: Two (02) new Micro-Credentials were presented before the Committee and were approved, subject to changes in Nomenclature of**



both the Micro-Credentials, which was agreed upon by the AB and is given in the table below:

Sl. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1	Foundational Program on Millets	1	<b>Basics of Millets Nutrition (Shree Anna)</b>
2	Foundational Program on Music Therapy	3	<b>Introduction to Music Therapy</b>

**11.2.4.3. Life Sciences Sector Skill Development Council:** **One (01)** new Micro-Credential was presented before the Committee and **was approved**, subject to change in Nomenclature which was agreed upon by the AB and is given in the table below:

Sl. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1	Home Remedies for Common Sicknesses	1	<b>Introduction to Home Remedies for Common Sicknesses</b>

**11.2.4.4. Hydrocarbon Sector Skill Council: Two (02)** new Micro-Credentials were presented before the Committee and **were approved**, subject to change in nomenclature of one (01) Micro-Credential and change in the entry level criteria of the (01) Micro-Credential, which were agreed upon by the AB and are given in the table below:

Sl. No.	Qualification Name	NSQF Level	Type of change	Suggested change
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1	Foundation Course on Petrochemical	3	<b>Nomenclature</b>	<b>Introduction of Petrochemical Sector</b>
2	Fundamentals of Project Management – Oil & Gas	4.5	<b>Entry Requirement</b>	<b>1st year of 3 year UG and continuing education</b>

**11.2.4.5. HCL Tech: Thirty-five (35)** new Micro-Credentials were presented before the Committee and **were approved** subject to the changes in the Nomenclature which was agreed upon by the AB. the details are as follows:

<b>Sl. No</b>	<b>Existing Nomenclature</b>	<b>NSQF level</b>	<b>Suggested Nomenclature</b>	<b>Notional Hours</b>
1	Hardware Virtualization	5	<b>Essentials of hardware virtualization</b>	30
2	Cloud Computing Fundamentals	5	<b>Cloud Computing Fundamentals</b>	30
3	Cloud Identity & Access Management	5	<b>Fundamentals of Cloud Identity &amp; Access Management</b>	30
4	Cloud Network (VPN/VPC) Management	5	<b>Getting Started with Cloud Networking</b>	30
5	Cloud Resources & Storage Management	5	<b>ABC of Data , Disaster and Recovery Management in Cloud</b>	30
6	Cyber Safety for Teachers	5	<b>Essentials of Cyber Safety for Teachers</b>	7.5
7	Cyber Safety for Professionals	5	<b>Essentials of Cyber Safety for Professionals</b>	7.5

8	Cyber Safety for Women	3	<b>Introduction to Cyber Security for Women</b>	7.5
9	Cyber Safety for Students	3	<b>Introduction to Cyber Security for students</b>	7.5
10	Cyber Safety for Lawyers	5	<b>Essentials of Cyber Security for lawyers</b>	7.5
11	Agile Testing methodologies	4.5	<b>Essentials of Agile Testing Methodologies</b>	7.5
12	Test Planning and progress monitoring	4.5	<b>Essentials of Test Planning and Progress Monitoring</b>	7.5
13	Python Scripts for Automation Testing	5	<b>Getting started with Python Scripts for Automation Testing</b>	7.5
14	Integration, System and Acceptance testing	4.5	<b>Introduction to Integration, System and Acceptance Testing</b>	7.5
15	Defect Lifecycle & Tracking Defects	4.5	<b>Essentials of Defect life cycle management</b>	7.5
16	Data Engineering Fundamentals	5	<b>Foundation of Data Engineering</b>	30
17	Python Programming & libraries to work with Data	5	<b>Essentials of Python programming and libraries to work with data</b>	30
18	Working with SQL and NoSQL	5	<b>SQL and NoSQL for Beginners</b>	30
19	Data Warehousing & Modelling	5	<b>Introduction to data warehousing and modelling</b>	30
20	Using Big Data for ETL	5	<b>Getting started with Big data for ETL</b>	7.5

21	Data Analytics & Visualization	5	<b>Essentials of data analytics and Visualization</b>	7.5
22	Statistical Analysis for Problem Solving	5	<b>Introduction to Statistical Analysis and Problem Solving</b>	30
23	Generative AI & Prompt engineering	5	<b>Foundation of Generative AI &amp; Prompt engineering</b>	30
24	Web Development Fundamentals	5	<b>Getting started with Web development</b>	30
25	Dynamic Web Development with Servlets & JavaScript	5	<b>Essentials of Dynamic Web development with Servlets and Java</b>	30
26	Module for Web Services	5	<b>Getting started with Web services</b>	30
27	Web UI development with Node	5	<b>Introduction to Web UI development on Node</b>	7.5
28	Web UI development with React	5	<b>Introduction to Web UI development on React</b>	7.5
29	Object-oriented programming practice using Java	5	<b>Foundation of Object Oriented Programming using Java</b>	30
30	Working with Oracle SQL and Database connectivity using JDBC	5	<b>Essentials of Oracle SQL and Data base connectivity using JDBC</b>	30
31	Manage databases with MongoDB	5	<b>Foundation of data base management using Mongo DB</b>	30
32	UI Application Design with BootStrap, TypeScript & ES7	5	<b>Fundamentals of Boot-Strapping for UI Application design</b>	30

33	Front End User Interface Design and Development (Angular)	5	<b>Fundamentals of User Interface Design and development using Angular</b>	30
34	Working with Spring Framework	5	<b>Essentials of Spring Framework</b>	30
35	Linux and shell scripting	5	<b>Introduction to Linux and Shell Scripting</b>	7.5

**11.2.4.6. Additional Skills Acquisition Programme (ASAP)**

**Kerala: One (01)** new Micro-Credential was presented before the Committee and **was approved**, subject to change in the nomenclature which was agreed upon by the AB.

SI. No.	Existing Nomenclature	NSQF Level	Suggested Nomenclature
1	Content Writing Fundamentals	4	<b>Fundamentals of Content Writing</b>

**12. AGENDA ITEM 12: ADDITIONAL AGENDA/ANY OTHER MATTER WITH THE PERMISSION OF THE CHAIR**

**12.1. Standardization of Nomenclature of Micro Credentials (MC) and Nano Credentials (NC)**

**12.1.1** The Committee was apprised that the nomenclature of various MCs and NCs have variation as submitted by various Awarding Bodies. Therefore, to bring uniformity and standardization in the nomenclature MCs and NCs, the following was proposed:



Sl. No.	NSQF Level	Notional Hour	Suggestive Nomenclature
1	Level 4 and above	30 Hours	<b>Fundamentals of (Name of the Subject) or similar</b>
2	Below Level 4	30 Hours	<b>Introduction to (Name of the Subject) or similar</b>
3	Level 4 and above	7.5 Hours	<b>Basics of (Name of the Subject) or similar</b>

**12.2.1** Further the Committee was apprised that for identifying similar nomenclatures as written above, following may also be considered as indicative examples:

1. Foundations of (Name of the Subject)
2. Introduction to (Name of the Subject)
3. Essentials of (Name of the Subject)
4. (Name of the Subject) Basics

**12.3.1** *The Committee noted and approved the agenda. The Committee further emphasized that a similar approach may also be followed for identification of nomenclature of NOSs. The Committee explained that the suggestive mechanism is indicative in nature and may not fit as it is to all nomenclature requirements, therefore, the ABs concerned may refer to the suggested mechanism for identification of nomenclature thereby bringing in more uniformity and better understanding.*

## **12.2. Approval of Adoption of NSQF Aligned and Approved Qualification By Uttar Pradesh Skill Development Mission (UPSDM).**

**12.2.1** The Committee was apprised that UPSDM had requested for adoption of one (01) existing NSQF aligned and approved qualifications namely ‘**Account Executive (Advertising Agency)**’ (Level 4) developed by Media and Entertainment Sector Skill Council.

- 12.2.2** The Committee was informed that the qualification has been examined in light of the provisions of the '**Guidelines for Adoption of qualification by Awarding Bodies**' and accorded approval on file.
- 12.2.3** Further, the Committee was also informed that UPSDM has been requesting for adoption of another 09 existing qualifications developed by various awarding bodies. However, the awarding bodies have either not responded to their request or are adding additional conditions for adoption of the qualification which is not in accordance with the provisions of the 'Guidelines for Adoption of Qualifications'.
- 12.2.4.** The Committee accorded In-principle approval for the adoption of nine (09) existing qualifications, by UPSDM subject to all necessary procedural actions being taken by the concerned bodies as per the adoption guideline.
- 12.2.5** The committee also directed all awarding bodies to ensure timely and appropriate response to all adoption requests.
- 12.2.6** The details of qualifications accorded in-principle approval for adoption are as below:

<b>Sl. No</b>	<b>Name of the Job role</b>	<b>Developer Body</b>
1	Domestic Data Entry Operator	IT/ITeS SSC
2	Sampling tailor	Apparel SSC
3	Fashion Designer	Apparel SSC
4	Self Employed Tailor	Apparel SSC
5	Hospital Front Desk Coordinator	Healthcare SSC
6	General Duty Assistant	Healthcare SSC
7	General Duty Assistant- Advanced	Healthcare SSC
8	Traditional Hand Embroider	Handicraft SSC
9	Beauty Therapist	Beauty and Wellness SSC

**12.2.7. The committee ratified the adoption.**



**12.3. Approval of one (01) NOS (Entrepreneurship Sector) Submitted by Samadhan Samiti**

**12.3.1** Samadhan Samiti had applied for recognition as an Awarding Body (Standard) by NCVET. As per the prescribed norms, any entity seeking recognition as an Awarding Body is required to develop a qualification and get it aligned and approved as per prescribed NSQF norms for signing of agreement granting recognition. Accordingly, Samadhan Samiti had submitted 01 NOS pertaining to Entrepreneurship sector namely “Nano Entrepreneurship in Car Washing Service” at NSQF Level 3 for NSQF alignment and approval. The details of the qualification are as under:

<b>Sl. No.</b>	<b>Name of the Qualification</b>	<b>Entry Requirements</b>	<b>Notional Hours</b>	<b>NSQF Level</b>
1	Nano Entrepreneurship in Car Washing Service	10 Grade Pass OR 8 <sup>th</sup> Grade pass with 3 years of experience OR NSQF Level 2 in relevant field with 3 years of experience	Total- 60 Hrs. Theory- 50 Hrs. Practical-10 Hrs.	3

**12.3.2** *The Committee approved the NOS submitted.*

**12.4. Ratification of Three (03) Diploma Qualifications (Electronics Sector) Received from Nettur Technical Training Foundation (NTTF)**

**12.4.1.** The Committee was apprised that NTTF had submitted nine (09) qualifications pertaining to Electronics Sector for NSQF alignment and NSQC approval. These qualifications were accorded approval in 34<sup>th</sup> NSQC. The details of the qualifications are as under:

<b>Sl. No.</b>	<b>Approved Qualifications</b>	<b>NSQF Level</b>
1	Assistant Technician- Electrical	3.5
2	Technician-Industrial Electrical	4





3	Senior Technician-Electrical and Electronics	4.5
4	Fitter - Electrical and Electronics	3.5
5	Technician Electrical and Electronics Assembly	4
6	Senior Technician-Electrical Equipment Manufacturing	4.5
7	Assistant Technician Electronics Assembly	3.5
8	Technician Electronics and Instrumentation	4
9	Senior Technician -Electronics Engineering and Embedded systems	4.5

**12.4.2** The Committee was further apprised that NTTF has submitted three (03) Diploma Qualifications by grouping the above mentioned nine (09) already NSQF aligned and approved qualifications as per the provisions laid in the 'Guidelines for Diploma Qualifications in Vocational Education, Training & Skilling'. The details of these three 03 diploma qualifications are as follows:

Sl. No	Name of Diploma Qualification	Approved Qualifications	NSQF Level
1	Diploma in Electrical and Electronics Engineering	Assistant Technician- Electrical	3.5
		Technician-Industrial Electrical	4
		Senior Technician-Electrical and Electronics	4.5
2	Diploma in Electrical Equipment Manufacturing	Fitter - Electrical and Electronics	3.5
		Technician Electrical and Electronics Assembly	4
		Senior Technician-Electrical Equipment Manufacturing	4.5
3	Diploma in Electronics	Assistant Technician- Electrical	3.5
		Technician-Industrial Electrical	4

	Engineering and Embedded systems	Senior Technician-Electrical and Electronics	4.5
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**12.4.3** Accordingly, the above mentioned three (03) diploma qualifications have been granted “on file” approval by the competent authority vide order No. 21002/05/2024/NCVET dated 28/05/2024.

**12.4.4** *The Committee ratified the diploma qualifications subject to the change of nomenclature form “Diploma in Electrical and Electronics Engineering” to Diploma in Electrical and Electronics System” and “Diploma in Electronics Engineering and Embedded systems” to “Diploma in Electronics and Embedded Systems”.*

**12.5. Approval of Two (02) Qualifications and One (01) NOS (Electronics Sector) Submitted by Medhavi Skills University (MSU)**

**12.5.1.** The Committee was apprised that two (02) new Qualifications and one (01) new NOSs of MSU were presented before the Committee. The details are listed in **Annexure VI**.

**12.5.2** *The Committee approved the two (02) qualifications and one (01) NOS subject to the changes in Nomenclatures of one NOS and one Qualification. The details are as follows:*

Sl. No.	Existing Nomenclature	NSQF Level	QP Type	Suggested Nomenclature
1	Introduction to Semiconductor Circuit Design	3.5	NOS	<b>Introduction to Semiconductors and Integrated Circuits (ICs)</b>
2	Semiconductor IC Design and Verification Engineer	6	QP	<b>Semiconductor IC Design and Verification Professional</b>

**ANNEXURE I**

## LIST OF PARTICIPANTS

### National Skills Qualifications Committee (NSQC) Members

1. Dr Nirmaljeet Singh Kalsi, Chairperson, NCVET
2. Dr. M Jagadish Kumar, Chairperson, UGC (Joined online)
3. Dr Vinita Aggarwal, Executive Member, NCVET
4. Dr Neena Pahuja, Executive Member, NCVET
5. Nilambuj Sharan, Senior Economic Advisor, MSDE
6. Dr Shikha Anand, DGE, MoLE
7. Dr Sakshi Khurana, NITI Aayog (Joined online)
8. Dr Neetu Bhagat, Deputy Director, AICTE
9. Ms. Deepti Saxena, NSDC

### National Council for Vocational Education and Training (NCVET) Officials

1	Col. Santosh Kumar, Director	15	Mr. Abhinav Mishra, Consultant, Grade I
2	Col Gunjan Chowdhary, Director	16	Ms. Nidhi Trehan, Consultant, Grade I
3	Dr. Suhas Deshmukh, Director	17	Mr. Parkishit Yadav, Consultant, Grade I
4	Mr. Purnendu Kant, Director	18	Ms. Bulbul Yadav, Consultant, Grade I
5	Mr. Harish Chander, Deputy Director	19	Ms. Ratna Priya Kanchan, Young Professional
6	Mr. Pradeep Thota, Deputy Director	20	Ms. Srishti Jha, Young Professional
7	Mr. Milan Sahu, Deputy Director	21	Ms. Pragya Sharma, Young Professional
8	Mr. Shourya Sangam, Consultant Grade II	22	Mr. Baiju Balan, Young Professional
9	Ms. Sarika Dixit, Consultant Grade II	23	Ms. Madhusmita Mohapatra, Young Professional



10	Mr. Amit Sharma, Consultant Grade II	24	Ms. Sophia Lisam, Young Professional
11	Ms. Ojasvi Goyal, Consultant Grade I	25	Mr. Manish Kumar, Young Professional
12	Ms. Vandana Purohit, Consultant Grade I	26	Mr. Aman Awasthi, Young Professional
13	Ms. Sheetal Bhandari, Consultant Grade I	27	Mr. Subramanian Rajendran, Young Professional
14	Mr. Amresh Kumar, Consultant, Grade I	28	Ms. Rashi Vaidya, Young Professional

### **Representatives from Sectoral Stakeholders**

#### **Offline Participants**

1	Dr. Megha Aggarwal, AGM, Healthcare Sector Skill Council	20	Col Anadi Singh, HQ ARTRAC
2	Mr. S.K. Bose, CEO, Hydrocarbon sector skill council	21	Lt Col Shivendra Singh, AEC Army
3	Mr. Alok Tripathi, Director (Scheme/Skilling), NIELIT	22	Lt Col Amit Rana, GSO-1(PIg)/DGST
4	Mr. Goutam Bhattacharya, CEO, Life Sciences Sector Skill Development Council	23	Mr. Pankaj Bajaj, Manager, Telecom Sector Skill Council
5	Dr. Satendra Arya, CEO, Agriculture Skill Council of India	24	Mr. Sarvesh Mall, Sr. Manager, Skill Council for Green Jobs
6	Ms. Parul Choudhary, Senior Area Sales Director, EDTECH, HCL TECHNOLOGIES	25	Ms. Srimathi Shivashankar, CVP and Business Head EDTECH, HCL TECHNOLOGIES
7	Mr. Krishan Kumar, CEO, Handicrafts and Carpet Sector Skill Council	26	Mr. Ashish Anand, Deputy Consultant, Hydrocarbon sector skill council
8	Gp Capt TL Prashanth, Director, Indian Air Force (Directorate of Education)	27	Ms. Diksha Arora, Senior Consultant, Hydrocarbon sector skill council
9	Ms. Maya Thakur, CEO, The Institution of Civil Engineers	28	Shri Srikant Pompanna, Standard Head & Education Initiatives, Agriculture Skill Council of India
10	Ms. Shalini Singh, CEO, CGSSC	29	Ms. Shikha Singh, Sr, Executive- Standards, Sector Skill Council for Food Processing (FICSI)

11	Ms. Kirti Seth, CEO, SSC NASSCOM	30	Mr. Mohit Sharma, Consultant, The Institution of Civil Engineers
12	Mr. GC Ramamurthy, Joint Director, DGT	31	Ms. Namrata Kapoor, Standard Head, SSC NASSCOM
13	Mr. Narendra Deshpande, Executive Director (Projects), The Institution of Civil Engineers	32	Mr. Nipun Raj, Standards Head, CGSSC
14	Mr. Saket Saurabh, Deputy Director (Academics), NIELIT	33	Mr. Sanjay Bhardwaj, Industry and Strategy Head, CGSSC
15	Ms. Jassi Dimple, VP, MSU	34	NB Sub (AIG) Sudheer Kumar, Dte Gen of Artillery
16	Mrs Shivi Chaudhary, Standard Head & Education Initiatives, Life Sciences Sector Skill Development Council	35	Sub FC Rawat, DGST
17	Mr. Pravesh Verma, Assistant Director, UPSDM	36	Hav Sarathraj, DGST
18	Sub SB Yadav, Training Deputy Manager, DG Signals	37	NB Sub (AIG) Sudheer Kumar, Dte Gen of Artillery
19	CDR. Veer Singh, NHQ/DSOD		

### **Online Participants**

1	Col Shakeel Ahmed, Secretary, NIOS	46	Ms. Shanthi, HCL
2	Dr Biswajit Saha, Director, CBSE	47	Ms. Sneha, MEPSC
3	Mr. Sunil K Marwah, CEO, FICSI,	48	Mr. Rajeev Garg, GJSCI
4	Ms. Jancy Mathew, Officiating CEO & COO, CSDCI,	49	Mr. Vipula, FFSC
5	Ms. Abhilasha Gaur, CEO, ESSCI	50	Ms Deepti, FICCI
6	Col Anand Kumar Singh, CEO, SSDF	51	Ms. Priyanka Pandey, HMCSSC
7	Mr. Vijay Bankar, DGM, MSME TC Bhopal	52	Ms. Radha Gautam, HCSSC
8	CEO-IASC	53	Mr. Rahul Mehta, FFSC

9	Mr. Abhisek Mishra, CSDCI,	54	Mr. Partha- CUTM
10	Dr. Swapna Mishra, Textile SSC	55	CA Mukesh Shukla, Samadhan
11	Dr. Sunita Badhwar, MEPSC	56	Mr. Balaji B, TNSDC
12	Mr. Akhil, RCPSSC	57	Ms. Reena, LSC
13	Ms. Ambica, B&WSSC	58	Ms. Sadha, Leather SSC
14	Mr. Amit Singh, AMHSSC	59	Mr. Pritam CUTM
15	Ms. Monica Bahl, B&WSSC	60	Ms. Priya, LSC
16	Mr. Rajiv Merugumolu, NTTF	61	Ms. Priya, MEPSC
17	Mr. Arjun, Handicrafts SSC	62	Mr. Ravi Shankar PHDCCI
18	Mr. Ashish Sharma, ESSCI	63	Dr Vishaka, RCPSSC
19	Ms. Ayushi, ASDC	64	Mr. Prabha
20	Dr. Sudheer Kumar Jain, CRISP Bhopal	65	Mr. Pramod Idiculla
21	Dr.K.M.Rajan	66	Ms. Samruddhi
22	Mr. Pranab Kumar Chowdhury, MSME Technology Centre	67	Mr. Monil Yadav Samadhan
23	Mr.Vigneshraja - Textile SSC	68	Ms. Kichu K Nair
24	Mr. Gopal Mohanty, MSU	69	Mr. Monil Yadav Samadhan
25	Dr. Swapna Mishra, Textile SSC	70	Dr. Chanu Handa
26	Col Sundeep Jain, AMC	71	Mr. Hakim Mamka
27	Mr. Subbaiyan - IESC	72	Mr. Hemant Vats
28	Ms. Amruta, RASCI	73	Ms. Manshi Tyagi
29	Ms. Gitanjali, HCSSC	74	Mr. Mayank, Samadhan
30	Mr. Nitin Gupta, ITDA	75	Mr. Arun Ujjwal
31	Mr. S Ramachandran, NTTF	76	Mr. Rohit
32	Ms. Neha Dave, BFSI SSC	77	Ms. Preetika Kaur
33	Mr. Ishant, NIELIT	78	Mr. Rajan Bahadur

34	Ms. Partha- CUTM	79	Mr. Sanjay Sharma
35	Mr. Gopal Mohanty, MSU	80	Mr. Shankar
36	Mr. Himanshu, HCSSC	81	Mr. Rajesh
37	Mr. Sanjeewan ITDA, UK	82	Mr. Vijay Kumar
38	Mr. Peenya, NTTF	83	Ms. Rupali Wadhwa
39	Mr. Prashant Pal, NIELIT Noida	84	Mr. Sudharshan
40	Mr.Pravesh Dudani, MSU	85	SCTE&VT ODISHA
41	Mr. Rajeev Garg, GJSCI	86	The Institution of Civil Engineers
42	Mr.Rajib, CUTM	87	RUDSETI
43	Mr. Subbaiyan - IESC	88	SSDF
44	Mr. Ramesh, PCSC	89	AEC Trg College & Centre
45	ASAP, Kerala		



**List of Amendment/ Change In Nomenclature of Previously Approved Qualification of Various Defence Awarding Bodies**

Sl. No.	Awarding Body	Name of QFs File	NSQF Level	Approved in NSQC	Present Eligibility Criteria	Recommended changes
1	Directorate General of Armoured Corps (AC-6)	Commercial Vehicle Driver (HMV)	4.5	29 <sup>th</sup>	Passed 12 <sup>th</sup> Grade/ Equivalent and enrolled as Agniveer under Agnipath Scheme	Passed 12 <sup>th</sup> Grade/ Equivalent
2		Commercial Vehicle Driver Trainer	5	30 <sup>th</sup>	Passed 12 <sup>th</sup> Grade/ Equivalent and Min 8 years of service in Army And Qualified as HMV driver with assessment	Passed 12 <sup>th</sup> Grade/ Equivalent And Minimum 8 years relevant experience OR Previous NSQF level 4.5 [Light Motor Vehicle Driver/ Commercial Vehicle Driver (Heavy Motor Vehicle)/ Flat Bed Driver ] with Four years of relevant experience



3		Light Motor Vehicle Driver Trainer	5	30 <sup>th</sup>	Passed Class 12 <sup>th</sup> / Equivalent and Min 8 years of service in army and Qualified as LMV driver with assessment	Passed 12 <sup>th</sup> Grade/ Equivalent and Minimum eight years relevant experience OR Previous NSQF level 4.5 [Light Motor Vehicle Driver / Commercial Vehicle Driver (Heavy Motor Vehicle)/ Flat Bed Driver ] with Four years of relevant experience
4		Flat Bed Vehicle Driver	4.5	30 <sup>th</sup>	Passed class 12 <sup>th</sup> / Equivalent And Qualified as Commercial Vehicle Driver And Minimum Three Years of Service / Experience as Commercial Vehicle Driver	Passed 12 <sup>th</sup> Grade/ Equivalent

5		Transport Supervisor	5	31 <sup>st</sup>	Passed class 12 <sup>th</sup> / Equivalent And Qualified as Commercial Vehicle / Light Motor Vehicle Driver with minimum four years of experience	Passed class 12 <sup>th</sup> / Equivalent And Minimum 8 years relevant experience OR Previous NSQF level 4.5 [Light Motor Vehicle Driver / Commercial Vehicle Driver (Heavy Motor Vehicle)/ Flat Bed Driver ] with Four years of relevant experience
6		Assistant Mechanical Transport Officer	5.5	31 <sup>st</sup>	Passed class 12 <sup>th</sup> / Equivalent And Qualified as Commercial Vehicle / Light Motor Vehicle Driver Trainer / Transport Supervisor with minimum four years of experience	Passed class 12 <sup>th</sup> / Equivalent And Minimum 12 years relevant experience OR Previous NSQF level 5 [Light Motor Vehicle Driver Trainer/ Commercial Vehicle Driver Trainer (Heavy Motor Vehicle)/ Transport Supervisor] with Four years of relevant experience

7		<b>Assistant Security Officer</b>	5.5	31 <sup>st</sup>	<b>Passed class 12<sup>th</sup> / Equivalent And Qualified as Security Supervisor with four years of experience as Security Supervisor</b>	<b>Passed class 12<sup>th</sup> / Equivalent And Minimum 12 years relevant experience OR Previous NSQF level 5 (Security Supervisor) with Four years of relevant experience</b>
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## ANNEXURE III

**ADOPTION OF NSQF ALIGNED AND APPROVED QUALIFICATIONS BY INDIAN DEFENCE FORCES**

Sl. No.	Qualification Name	NQR Code	NSQC Level	Developer Body	Adopting Body	No. of Qualifications for adoption
1	Data Entry Technician	QG-4.5-DF-02355-2024-V1-ENGRS	4.5	Dte Gen of Artillery	Dte Gen of Army Air Defence	3
2	Data Compilation Supervisor	QG-05-DF-02356-2024-V1-INF	5	Dte Gen of Artillery	Dte Gen of Army Air Defence	
3	Deputy Manager Data Compilation & Analysis	QG-5.5-DF-02257-2024-V1-ENGRS	5.5	Dte Gen of Artillery	Dte Gen of Army Air Defence	
4	Music Composer and Arranger	QG-05-DF-02125-2024-V1-AEC	5	Addl Dte Gen of Army Education	Dte Gen of Electrical & Mechanical Engineers	7
5	Guest Services Supervisor	QG-05-DF-02121-2024-V1-ARTY	5	Dte Gen of Arty	Dte Gen of Electrical & Mechanical Engineers	
6	Assistant F&B Service Manager	QG-5.5-DF-02122-2024-V1-ARTY	5.5	Dte Gen of Arty	Dte Gen of Electrical & Mechanical Engineers	
7	Deputy Manager Woods & Carpentry	QG-5.5-DF-02257-2024-V1-ENGR	5.5	Corps of Engineer	Dte Gen of Electrical & Mechanical Engineers	

8	Deputy Manager Metal Works	QG-5.5-DF-02258-2024-V1-ENGRS	5.5	Corps of Engineer	Dte Gen of Electrical & Mechanical Engineers	
9	Deputy Manager Conventional & CNC Machine Operations	QG-4.5-DF-01309-2023-V1-ENGRS	5.5	Corps of Engineer	Dte Gen of Electrical & Mechanical Engineers	
10	Deputy Manager Painting & Decorations	QG-5.5-DF-02264-2024-V1-ENGRS	5.5	Corps of Engineer	Dte Gen of Electrical & Mechanical Engineers	
11	Senior Technician Painting and Decorating	QG-4.5-DF-01312-2023-V1-ENGRS	4.5	Corps of Engineer	Dte Gen of Provost Marshal	3
12	Deputy Manager Painting & Decorating	QG-5.5-DF-02264-2024-V1-ENGRS	5.5	Corps of Engineer	Dte Gen of Provost Marshal	
13	Music Composer and Arranger	QG-05-DF-02125-2024-V1-AEC	5	Addl Dte Gen of Army Education Corps	Dte Gen of Provost Marshal	
14	Guest Services Supervisor	QG-05-DF-02122-2024-V1-ARTY	5	Dte Gen of Artillery	Dte Gen of Medical Services	3
15	Deputy Manager Food & Beverage Service	QG-5.5-DF-02122-2024-V1-ARTY	5.5	Dte Gen of Artillery	Dte Gen of Medical Services	

16	Music Composer and Arranger	QG-05-DF-02125-2024-V1-AEC	5	Addl Dte General Army Education	Dte Gen of Medical Services	
17	Technician Building Construction	QG-4.5-DF-01305-2023-V1-ENGRS	4.5	Corps of Engineer	Directorate General of Artillery	6
18	Supervisor Building Construction	QG-05-DF-01469-2023-V1-ENGRS	5	Corps of Engineer	Directorate General of Artillery	
19	Supervisor Land Survey	QG-5.5-DF-02358-2024-V1-INF	5	Corps of Engineer	Directorate General of Artillery	
20	Deputy Manager GIS Data Quality & Geographic Survey	QG-5.5-DF-02259-2024-V1-ENGRS	5.5	Corps of Engineer	Directorate General of Artillery	
21	Deputy Manager Painting & Decorating	QG-5.5-DF-02264-2024-V1-ENGRS	5.5	Corps of Engineer	Directorate General of Artillery	
22	Adventure Travel Guide	QG-4.5-DF-01185-2023-V1-INF	4.5	Directorate General of Infantry	Directorate General of Artillery	

**ANNEXURE IV**

<b>QUALIFICATIONS OF THE DEFENCE FORCES (TRI-SERVICES) APPROVED IN THE 38TH NSQC MEETING</b>						
<b>ADDITIONAL DIRECTORATE GENERAL ARMY EDUCATION</b>						
<b>Sl. No.</b>	<b>SECTOR</b>	<b>QUALIFICATION NAME</b>	<b>NEW/ REVISED</b>	<b>NSQF LEVEL</b>	<b>APPROVAL STATUS</b>	<b>FUTURE SKILL</b>
1	Education	Chinese Language Translator	New	5.5	Approved	NO
2	Education	Dzongkha Language Translator	New	5.5	Approved	NO
3	Education	Persian Language Translator	New	5.5	Approved	NO
4	Education	Sinhala Language Translator	New	5.5	Approved	NO
5	Education	Tibetan Language Translator	New	5.5	Approved	NO
6	Education	Arabic Language Translator	New	5.5	Approved	NO
7	Education	Pushto Language Translator	New	5.5	Approved	NO
8	Education	Russian Language Translator	New	5.5	Approved	NO
9	Education	Myanmar Language Translator	New	5.5	Approved	NO
10	Media	Deputy Manager-Event (Music)	New	5.5	Approved	NO
<b>DIRECTORATE GENERAL OF CORPS OF SIGNALS</b>						
1	IT-ITES	Deputy Manager IT System	New	5.5	Approved	NO
2	Telecommunication	Deputy Manager Telecommunication Equipment	New	5.5	Approved	NO
3	IT-ITES	Deputy Manager Database Design	New	5.5	Approved	NO
4	IT-ITES	Supervisor Cyber Auditing	New	5	Approved	NO
5	IT-ITES	Deputy Manager Cyber Auditing	New	5.5	Approved	NO

6	Telecommunication	Deputy Manager Cable Laying & Wiring	New	5.5	Approved	NO
7	Paint and Coating	Supervisor Survey & Painting	New	5	Approved	NO
8	Paint and Coating	Deputy Manager Survey & Painting	New	5.5	Approved	NO
<b>INDIAN AIR FORCE</b>						
1	Aerospace and Aviation	Air Surveillance Associate	Revised	4.5	Approved	NO
2	Aerospace and Aviation	Air Field Lighting and Navigational Aids Technician	Revised	4.5	Approved	NO
3	Aerospace and Aviation	Power Plant and Air Conditioning Electrical and Electronics Technician	Revised	4.5	Approved	NO
4	Aerospace and Aviation	Communication Technology Technician	Revised	4.5	Approved	NO
5	Aerospace and Aviation	Information Technology & Networking Technician	Revised	4.5	Approved	NO
6	Aerospace and Aviation	Electronics, Electrical and radio communication Technician	Revised	4.5	Approved	NO
7	Management	Office Operations Associate	Revised	4.5	Approved	NO
8	Sports	Physical Fitness Associate	Revised	4.5	Approved	NO
9	Aerospace and Aviation	Radar Electrical and Electronics Technician	Revised	4.5	Approved	NO
<b>DIRECTORATE GENERAL OF SUPPLIES AND TRANSPORT</b>						
1	Management	Administrative Officer	New	5.5	Approved	NO
2	Management	Assistant Administrative Officer	New	5	Approved	NO
3	Agriculture	Equine Supervisor	New	5	Approved	NO



<b>DIRECTORATE GENERAL OF ORDNANCE SERVICES</b>						
<b>1</b>	<b>Capital Goods</b>	<b>Ammunition Inspector</b>	<b>New</b>	<b>5</b>	<b>Approved</b>	<b>NO</b>
<b>2</b>	<b>Capital Goods</b>	<b>Senior Ammunition Inspector</b>	<b>New</b>	<b>5.5</b>	<b>Approved</b>	<b>NO</b>
<b>3</b>	<b>Warehouse and Logistic</b>	<b>Warehouse Administrator</b>	<b>New</b>	<b>5</b>	<b>Approved</b>	<b>NO</b>
<b>4</b>	<b>Warehouse and Logistic</b>	<b>Deputy Manager Warehouse</b>	<b>New</b>	<b>5.5</b>	<b>Approved</b>	<b>NO</b>



## ANNEXURE V

QUALIFICATIONS FROM CENTRAL MINISTRIES/STATE BODIES/SSCS/OTHER GOVT & PVT BODIES APPROVED IN THE 38TH NSQC MEETING						
Sl. No.	SECTOR	QUALIFICATION NAME	NEW/ REVISED	NSQF LEVEL	APPROVAL STATUS	FUTURE SKILL
<b>NIELIT</b>						
1	Electronics	Embedded System Junior Developer (O-Level 'Embedded System Design)	New	4	Approved	YES
2	Electronics	Embedded System Developer (A-Level 'Embedded System Design')	New	5	Approved	YES
3	Electronics	Chip Design Associate (O-Level 'Chip Design')	New	4	Approved	YES
4	Electronics	Junior Chip Designer (A-Level 'Chip Design')	New	5	Approved	YES
5	Electronics	Repair and Maintenance Assistant "Smart Phones"	New	3	Approved	NO
6	Electronics	Drone Application Developer	New	5	Approved	YES
7	Electronics	Solar Panel Installation and Maintenance Technician (O-Level 'Solar Power Electronics')	New	4	Approved	NO
<b>NATIONAL ACADEMY OF RUDSETI</b>						
1	Tourism and Hospitality	Laghu Udyami (Fast Food Stall)	Revised	2	Approved	NO
2	Media and Entertainment	Laghu Udyami (Photography and Videography)	Revised	2.5	Approved	NO
3	Apparel	Women's Tailor	Revised	2.5	Approved	NO
<b>ADDITIONAL SKILLS ACQUISITION PROGRAMME (ASAP) KERALA</b>						
1	Media and Entertainment	Advance Communicative English and Professional Skills Trainer	New	5.5	Approved	NO
<b>MSME TECHNOLOGY CENTRE</b>						
1	Media and Entertainment	Associate Developer AR VR	New	4.5	Approved	YES

CRISP BHOPAL						
1	Electronics	Senior Automation Technician	New	4.5	Approved	NO
AGRICULTURE SECTOR SKILL COUNCIL OF INDIA						
1	Agriculture	Master Gardener	Revised	4	Approved	NO
2	Agriculture	Plant Nursery Associate	Revised	3	Approved	NO
3	Agriculture	Irrigation Pump Technician (Small Capacity)	Revised	4	Approved	NO
4	Agriculture	Florist	Revised	2.5	Approved	NO
5	Agriculture	Plant tissue culture technician	Revised	4	Approved	NO
6	Agriculture	Repair and Maintenance Technician (Farm Machinery)	Revised	4	Approved	NO
7	Agriculture	Power tiller operator	Revised	3	Approved	NO
8	Agriculture	Pesticide & Fertilizer Applicator	Revised	2.5	Approved	NO
9	Agriculture	Custom Hiring Centre In-charge (Agri machinery)	Revised	5	Approved	NO
10	Agriculture	Repair and Maintenance Supervisor (Farm Machinery)	Revised	5	Approved	NO
11	Agriculture	Flower packager and palletizer	Revised	2.5	Approved	NO
12	Agriculture	Harvesting Machinery Operator Option 1: Post-harvest machineries operation	Revised	4	Approved	NO
CAPITAL GOODS & STRATEGIC SKILL COUNCIL						
1	Capital Goods & Manufacturing	Operator-Stainless steel kitchenware manufacturing (OEM Jindal Stainless steels)	New	3	Approved	NO
SECTOR SKILL COUNCIL FOR FOOD PROCESSING INDUSTRIES (FICSI)						
1	Food Processing	Sugar Processing Operator	New	4	Approved	NO
HANDICRAFTS AND CARPET SECTOR SKILL COUNCIL						
1	Handicraft & Carpets	Bangle Maker	New	3	Approved	NO
HYDROCARBON SECTOR SKILL COUNCIL						
1	Hydrocarbon	Compressed Biogas Plant Technician	New	4	Approved	NO

2	Hydrocarbon	Process Safety Supervisor – Oil & Gas	New	5	Approved	NO
3	Hydrocarbon	Retail outlet Roof Top Solar Installer - Oil & Gas	New	4	Approved	NO
<b>LOGISTICS SECTOR SKILL COUNCIL</b>						
1	Logistics	Junior Cargo Operator – Port Terminals/CFS/ICD	New	3	Approved	NO
2	Logistics	Crane Operator - Port Terminals/CFS/ICD	New	4	Approved	NO
3	Logistics	Marine Cargo Junior Inspector	New	4	Approved	NO
4	Logistics	Port Terminals/CFS/ICD Supervisor	New	5	Approved	YES
5	Logistics	EXIM - Manager	New	6	Approved	NO
<b>SKILL COUNCIL FOR GREEN JOBS</b>						
1	Environmental science	Rooftop Solar Grid Junior Engineer	Revised	5	Approved	NO
2	Environmental science	Solar PV Installer (Suryamitra)	Revised	4	Approved	NO
3	Environmental science	Solar PV Installer-Electrical	Revised	4	Approved	NO
4	Environmental science	Solar Lighting Assembler	Revised	4	Approved	NO
5	Environmental science	Solar Water Pumping Junior Engineer	Revised	5	Approved	NO
6	Environmental science	Solar PV Installation Helper	Revised	2	Approved	NO
7	Environmental science	Solar PV Module Manufacturing Technician	Revised	4	Approved	YES
8	Environmental science	Safai Mitra	Revised	3	Approved	NO
<b>TELECOM SECTOR SKILL COUNCIL</b>						
1	Telecommunications	Drone Data Processor	New	5	Approved	YES
<b>THE INSTITUTION OF CIVIL ENGINEERS</b>						
1	Construction	MEP Supervisor - Maintenance	New	5	Approved	NO
<b>INFORMATION TECHNOLOGY DEVELOPMENT AGENCY (ITDA)</b>						

1	IT-ITeS	Business Analyst - IT	New	5.5	Approved	YES
<b>LIST OF NATIONAL OCCUPATIONAL STANDARDS (NOSs) APPROVED IN THE 37TH NSQC MEETING</b>						
<b>NIELIT</b>						
1	Electronics	3D Printing: Design and Development Fundamentals	New	3.5	Approved	YES
2	Electronics	Introduction to IoT Application Development for Agriculture	New	3.5	Approved	YES
3	Electronics	Introduction to IoT Application Development for Building Security	New	3.5	Approved	YES
4	Electronics	Introduction to IoT Application Development for Smart City	New	3.5	Approved	YES
5	Electronics	Introduction to Cloud Based Robotics Solutions Development	New	3.5	Approved	YES
6	Electronics	Fundamentals of Quantum Computing	New	6	Approved	YES
<b>SCTE&amp;VT, Odisha</b>						
1	Capital Goods	Fundamentals of CNC Milling Programming	New	4	Approved	NO
2	Capital Goods	Fundamentals of CNC Lathe Programming	New	4	Approved	NO
<b>AGRICULTURE SECTOR SKILL COUNCIL OF INDIA</b>						
1	Agriculture	Fundamentals of Export Norms for Horticultural and high value crops	New	4	Approved	NO
2	Agriculture	Fundamentals of aggregation and post-harvest handling of Farm Produce	New	4	Approved	NO
3	Agriculture	Essentials of Sustainable usage of fertilizer and soil ameliorants	New	4	Approved	NO
4	Agriculture	Fundamentals of On-farm strategies to mitigate climate risks	New	4	Approved	YES
5	Agriculture	Introduction to operating solar powered appliances for post-harvest operations	New	3.5	Approved	YES
6	Agriculture	Fundamentals of Biomass Processing for Energy	New	4	Approved	YES
<b>HEALTHCARE SECTOR SKILL COUNCIL</b>						

1	Healthcare	Vriddha Swāsthya Sahayaka	New	4	Approved	NO
2	Healthcare	Fundamentals of Sujok Therapy	New	3	Approved	NO
<b>LIFE SCIENCES SECTOR SKILL DEVELOPMENT COUNCIL</b>						
1	Life Sciences	Beginner's Guide to Life Sciences (Pharmaceutical, Medical Devices & Biotechnology)	New	2.5	Approved	YES
2	Life Sciences	Life Sciences (Pharmaceutical, Medical Devices & Biotechnology) Fundamentals	New	2.5	Approved	YES
<b>HCL</b>						
1	IT-ITeS	Fundamentals of Network Administration with 5G	New	5	Approved	YES
2	IT-ITeS	ABC of IT Services Processes and Tools Management	New	5	Approved	NO
3	IT-ITeS	Essentials of System Administration with Linux OS	New	5	Approved	NO
4	IT-ITeS	Essentials of Automation Testing with Scripting	New	5	Approved	YES
5	IT-ITeS	Capstone Industry project for Application Development / Data Science	New	5.5	Approved	YES
<b>LIST OF MICRO CREDENTIALS (MCs) APPROVED IN THE 37TH NSQC MEETING</b>						
<b>AGRICULTURE SECTOR SKILL COUNCIL OF INDIA</b>						
1	Agriculture	Introduction to regulatory compliances for FPO	New	4	Approved	NO
2	Agriculture	Fundamentals of Business and Marketing Plan for a FPO	New	4	Approved	NO
3	Agriculture	Fundamentals of Accounting and financial management practices for FPO	New	4	Approved	NO
4	Agriculture	Essentials of managing a FPO	New	4	Approved	NO
5	Agriculture	Fundamentals of livestock marketing practices	New	4	Approved	NO
6	Agriculture	Essentials of Mitigating GHG emissions in fish value chain	New	4	Approved	YES
<b>HEALTHCARE SECTOR SKILL COUNCIL</b>						

1	Healthcare	Basics of Millets Nutrition (Shree Anna)	New	1	Approved	NO
2	Healthcare	Introduction to Music Therapy	New	3	Approved	NO
<b>LIFE SCIENCES SECTOR SKILL DEVELOPMENT COUNCIL</b>						
1	Life Sciences	Introduction to Home Remedies for Common Sicknesses	New	1	Approved	YES
<b>HYDROCARBON SECTOR SKILL COUNCIL</b>						
1	Hydrocarbon	Introduction of Petrochemical Sector	New	3	Approved	NO
2	Hydrocarbon	Fundamentals of Project Management – Oil & Gas	New	4.5	Approved	NO
<b>HCL</b>						
1	IT-ITeS	Essentials of hardware virtualization	New	5	Approved	NO
2	IT-ITeS	Cloud Computing Fundamentals	New	5	Approved	YES
3	IT-ITeS	Fundamentals of Cloud Identity & Access Management	New	5	Approved	YES
4	IT-ITeS	Getting Started with Cloud Networking	New	5	Approved	YES
5	IT-ITeS	ABC of Data , Disaster and Recovery Management in Cloud	New	5	Approved	YES
6	IT-ITeS	Essentials of Cyber Safety for Teachers	New	5	Approved	YES
7	IT-ITeS	Essentials of Cyber Safety for Professionals	New	5	Approved	YES
8	IT-ITeS	Introduction to Cyber Security for Women	New	3	Approved	YES
9	IT-ITeS	Introduction to Cyber Security for students	New	3	Approved	YES
10	IT-ITeS	Essentials of Cyber Security for lawyers	New	5	Approved	YES
11	IT-ITeS	Essentials of Agile Testing Methodologies	New	4.5	Approved	NO
12	IT-ITeS	Essentials of Test Planning and Progress Monitoring	New	4.5	Approved	NO
13	IT-ITeS	Getting started with Python Scripts for Automation Testing	New	5	Approved	YES


14	IT-ITeS	Introduction to Integration, System and Acceptance Testing	New	4.5	Approved	NO
15	IT-ITeS	Essentials of Defect life cycle management	New	4.5	Approved	NO
16	IT-ITeS	Foundation of Data Engineering	New	5	Approved	YES
17	IT-ITeS	Essentials of Python programming and libraries to work with data	New	5	Approved	NO
18	IT-ITeS	SQL and NoSQL for Beginners	New	5	Approved	NO
19	IT-ITeS	Introduction to data warehousing and modelling	New	5	Approved	YES
20	IT-ITeS	Getting started with Big data for ETL	New	5	Approved	YES
21	IT-ITeS	Essentials of data analytics and Visualization	New	5	Approved	YES
22	IT-ITeS	Introduction to Statistical Analysis and Problem Solving	New	5	Approved	YES
23	IT-ITeS	Foundation of Generative AI & Prompt engineering	New	5	Approved	YES
24	IT-ITeS	Getting started with Web development	New	5	Approved	NO
26	IT-ITeS	Essentials of Dynamic Web development with Servlets and Java	New	5	Approved	NO
27	IT-ITeS	Getting started with Web services	New	5	Approved	NO
28	IT-ITeS	Introduction to Web UI development on Node	New	5	Approved	NO
29	IT-ITeS	Introduction to Web UI development on React	New	5	Approved	NO
30	IT-ITeS	Foundation of Object Oriented Programming using Java	New	5	Approved	NO
31	IT-ITeS	Essentials of Oracle SQL and Data base connectivity using JDBC	New	5	Approved	NO
32	IT-ITeS	Foundation of data base management using Mongo DB	New	5	Approved	NO
33	IT-ITeS	Fundamentals of Boot- Strapping for UI Application design	New	5	Approved	NO



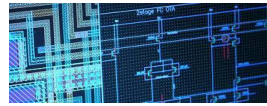
34	IT-ITeS	Fundamentals of User Interface Design and development using Angular	New	5	Approved	NO
35	IT-ITeS	Essentials of Spring Framework	New	5	Approved	NO
<b>ADDITIONAL SKILLS ACQUISITION PROGRAMME (ASAP) KERALA</b>						
1	Media and Entertainment	Fundamentals of Content Writing	New	4	Approved	NO



ANNEXURE - VI

Agenda No.12.5	Awarding Body	Medhavi Skills University (MSU)					Sector Electronics	New QP	1/3
<b>Name</b>	<b>Introduction to Semiconductors and Integrated Circuits (ICs)</b>	<b>Entry Criteria Requirement Options</b>					<b>Notional Hours</b>	<b>In Hours</b>	<b>Occupation Map/- Progression Pathways</b>
<b>Electives</b>		Academic Education Completed	Academic Education Pursuing	LTT/ STT Skilling completed in Years	Previous NSQF Levels Achieved	Relevant Experience in Years	<b>Total</b>	<b>60</b>	
<b>NSQF/ NCrF Level</b>	<b>3.5</b>	10 or Equivalent				2**	Theory	<b>25</b>	
QP Type	<b>NOS</b>		Class 10 pass and pursuing continuous schooling				Practical	<b>35</b>	
Occupation	Semiconductor Circuit Design	11*					Emp Skills		<b>Special Remarks if any</b> Integrated EDA and Learning Platform by Logicknots
Skill Type	<b>Future</b>				3	1.5	OJT		* Subject/Stream related to Physics / Electronics / Electrical / Computer Science / Telecommunication ** Electronics
Industry Validations	5						Elective 1		
Trainings Conducted	N/A						Elective 2		
Skilling/ Up-Skilling/ Re-Skilling	Skilling								



<b>Agenda No.</b> 12.5	<b>Awarding Body</b>	<b>Medhavi Skills University (MSU)</b>					<b>Sector</b> Electronics	<b>New QP</b>	2/3
<b>Name</b>	<b>Semiconductor IC Design Associate</b>	<b>Entry Criteria Requirement Options</b>					<b>Notional Hours</b>	<b>In Hours</b>	<b>Occupation Map/- Progression Pathways</b>
<b>Electives</b>		Academic Education Completed	Academic Education Pursuing	LTT/ STT Skilling completed in Years	Previous NSQF Levels Achieved	Relevant Experience in Years	<b>Total</b>	<b>540</b>	Vertical: Semiconductor IC Design & Verification Engineer Academic: Diploma/UG
<b>NSQF/ NCrf Level</b>	<b>4.5</b>	UG Certificate or Equivalent in relevant field*					Theory	<b>170</b>	
QP Type	<b>QP</b>	3 year diploma in relevant field after 10*					Practical	<b>310</b>	
Occupation	Semiconductor IC Design		3 <sup>rd</sup> year of 3 year diploma after 10 <sup>th</sup> **				Emp Skills	<b>60</b>	<b>Special Remarks if any</b> Integrated EDA and Learning Platform by Logicknots
Skill Type	<b>Future/ General/ Heritage &amp; Traditional/ Employability</b>		2 <sup>nd</sup> year of 2 year diploma after 12 <sup>th</sup> **				OJT		*Electrical/Electronics Subject/Stream related to Physics / Electronics / Electrical / Computer Science / Telecommunication
Industry Validations	5				4	1.5	Elective 1		**Project work
Trainings Conducted	N/A						Elective 2		
Skilling/ Up-Skilling/ Re-Skilling	Skilling								



<b>Agenda No.</b> 12.5	<b>Awarding Body</b>	<b>Medhavi Skills University (MSU)</b>					<b>Sector</b> Electro nics	<b>New QP</b>	3/3
<b>Name</b>	<b>Semiconductor IC Design and Verification Professional</b>	<b>Entry Criteria Requirement Options</b>					<b>Notional Hours</b>	<b>In Hours</b>	<b>Occupation Map/- Progression Pathways</b>
<b>Electives</b>		Academic Education Completed	Academic Education Pursuing	LTT/ STT Skilling completed in Years	Previous NSQF Levels Achieved	Relevant Experience in Years	<b>Total</b>	<b>690</b>	Academic Progression: UG/PG / PG Diploma Vertical: Semiconductor IC Design and Verification Lead Engineer
<b>NSQF/ NCrF Level</b>	<b>6</b>	UG Hons. Degree in relevant field*					Theory	<b>200</b>	
QP Type	<b>QP</b>	3-year UG degree in relevant field*				<b>1.5</b>	Practical	<b>400</b>	
Occupation	Semiconductor IC Design and Verification		4th year of 4-year UG**				Emp Skills	<b>90</b>	<b>Special Remarks if any</b> Integrated EDA and Learning Platform by Logicknots
Skill Type	<b>Future</b>				5.5	1.5	OJT		*Electrical/Electronics/Telecommunication
Industry Validations	5				5	3	Elective 1		**Project work
Trainings Conducted	N/A						Elective 2		
Skilling/ Up-Skilling/ Re-Skilling	Skilling								