NATIONAL COUNCIL FOR VOCATIONAL EDUCATION & TRAINING

Agenda for 39th Meeting (Phase II)

NATIONAL SKILLS QUALIFICATION COMMITTEE

Date: 27th August 2024

Time: 11:00 AM

A. Status of Phase I of 39th NSQC Meeting held on 25th July 2024:
  - Agenda Item 1 to 16 were discussed and approved by the committee.
  - Agenda Item 17 was partially discussed, and decision taken.

B. Balance Agenda item 17 and Agenda item 18 are placed for discussion in the 39th NSQC Meeting (Phase II).

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17. AGENDA ITEM 17: Submission of Qualifications for NSQF Alignment & Approval.

17.1 A total of **260 Qualification/NOSs/MCs** (which include 101 New and 74 Revised qualifications, 59 NOSs and 26 Micro-Credentials) have been received at NCVET during the qualifying period. **A total of 200 Qualification/NOSs/MCs** (which includes 55 New and 64 Revised qualifications, 58 NOSs and 23 Micro-Credentials) were placed in the 39th NSQC Meeting (Phase I) held on 25th July 2024. Details of the Qualifications under consideration are mentioned in the succeeding paras. The details of **56 Qualifications, 1 NOSs and 3 MC** not considered due to compliance issues are attached at **Annexure II.**

17.2 Subsequently, **80 Qualifications/NOSs/MCs** (Comprising 21 New and 14 Revised qualifications, 41 NOSs and 4 MCs) were discussed in the Phase-I of the 39th NSQC Meeting. The following decisions were taken by the committee:
  - **Approved:** 60 Qualifications/NOSs/MCs (8 New and 11 Revised qualifications, 40 NOSs and 1 MCs)
  - **Not Approved:** 02 qualifications.
  - **To be placed again in Phase II**: 18 Qualifications/NOSs/MCs (Comprising 11 New and 3 Revised qualifications, 1 NOSs and 3 MCs)

17.3 A summary of **Qualifications/NOSs/MCs** received for 39th NSQC and considered in Phase I:

Sl No	Type of Qualification	39th NSQC Phase I					Balance* from Phase I
		Placed	Discussed	Approved	Not approved	To be Reconsidered in Phase II @	
1	Qualification	119	35	19	02	14	84
2	NOS	58	41	40	0	01	17
3	MC	23	04	01	0	03	19
	Total	**200**	**80**	**60**	**02**	**18**	**120**

17.4 A summary of **Qualifications/NOSs/MCs** being placed in Phase II:

Sl No	Type of Qualification	39th NSQC Phase II		
		Qualifications (balance plus reconsidered)	Withdrawn	To be Placed in Phase II
1	Qualification	98 (84*+14@)	36	62
2	NOS	18 (17*+01@)	0	18
3	MC	22 (19*+03@)	0	22
	Total	**138**	**36**	**102**

17.5   A detailed snapshot is placed below:
    A. Detailed snapshot of **Qualifications**:

SI No	Name of the Awarding Body	Qualifications considered for NSQC			Remarks/ Status of Qualification
		New	**Revised**	**Total**	
1	Directorate General of Training (DGT)	2	9	11	Approved
2	National Institute of Electronic and Information Technology (NIELIT)	0	2	2	Approved
3	RUDSETI	2	0	2	1 Qualification (Beauty): Not approved 1 Qualification (BFSI): To be discussed
4	Footwear Design and Development (FDDI, Noida)	1	0	1	Approved
5	West Bengal State Council of Technical &Vocational Education and Skill Development	3	0	3	1 Qualification (Electronics): Approved 1 Qualification (Beauty): Not Approved 1 Qualification (Capital goods): To be discussed
6	Beauty and Wellness Sector Skill Council	1	0	1	Approved
7	Leather SSC	4	2	6	To be discussed
8	Management and Entrepreneurship & Professional Skill Council	4	0	4	2 qualifications: Approved 2 qualifications: To be discussed
9	Retail Association's Skill Council of India	4	0	4	1 Qualification Withdrawn, remaining 3 to be discussed
10	Agriculture Skill Council of India	3	0	3	1 Qualification Withdrawn, remaining 2 to be discussed
11	Skill Council for Mining Sector	4	0	4	To be discussed
12	Iron & Steel SSC(IISSSC)	1	0	1	To be discussed
13	Sector Skill Council for Food Processing (FICSI)	0	5	5	To be discussed
14	Domestic worker sector skill council	3	0	3	To be discussed
15	Water Management and Plumbing Skill Council (WMPSC)	3	2	5	To be discussed
16	Automotive Skills Development Council	0	39	39	34 Qualifications withdrawn, remaining 5 to be discussed
17	Sports, Physical Education, Fitness & Leisure Skills Council (SPEFL)	0	5	5	To be discussed
18	Telecom Sector Skill Council	6	0	6	To be discussed

Sl No	Name of the Awarding Body	Qualifications considered for NSQC			Remarks/ Status of Qualification
		New	Revised	Total	
19	Hydrocarbon Sector Skill Council	3	0	3	To be discussed
20	Ganpat University (Automotive)	3	0	3	To be discussed
21	Mewar University (Tourism and Hospitality)	4	0	4	To be discussed
22	Safety Skill Development Foundation (SSDF)	3	0	3	To be discussed
23	Divya Yog Mandir Trust (Patanjali)	1	0	1	Approved
	Total	**55**	**64**	**119**	

B. Detailed snapshot of **NOSs**:

Sl. No.	Name of the Awarding Body	NOS considered for NSQC			Remarks/ Status of NOS
		New	Revised	Total	
1	Directorate General of Training (DGT)	10	0	10	Approved
2	National Institute of Electronic and Information Technology (NIELIT)	27	0	27	Approved
3	RUDSETI	1	0	1	Approved
4	MSME	1	0	1	To be discussed
5	Beauty and Wellness Sector Skill Council	2	0	2	Approved
6	BFSI SSC	2	0	2	To be discussed
7	Electronics Sector Skills Council of India (ESSCI)	6	0	6	
8	NASSCOM	4	0	4	
9	Agriculture Skill Council of India	1	0	1	
10	Telecom Sector Skill Council	1	0	1	
11	HCL (IT-ITeS)	3	0	3	
	Total	**58**	**0**	**58**	

C. Detailed snapshot of **Micro Credentials (MCs):**

Sl. No.	Name of the Awarding Body	MC considered for NSQC			Remarks/ Status of MC
		New	Revised	Total	
1	Directorate General of Training (DGT)	1	0	1	Approved
2	Additional Skill Acquisition Programme Kerala	1	0	1	To be discussed
3	Management and Entrepreneurship & Professional Skill Council	2	0	2	
4	Retail Association's Skill Council of India	1	0	1	
5	Electronics Sector Skills Council of India (ESSCI)	2	0	2	
6	NASSCOM	4	0	4	
7	Telecom Sector Skill Council	1	0	1	
8	Hydrocarbon Sector Skill Council	2	0	2	
9	Healthcare Sector Skill Council	1	0	1	
10	International Automobile Centre of Excellence (iACE)	2	0	2	

Sl. No.	Name of the Awarding Body	MC considered for NSQC			Remarks/ Status of MC
		New	Revised	Total	
11	Safety Skill Development Foundation (SSDF)	5	0	5	
12	Water Management and Plumbing Skill Council (WMPSC)	1	0	1	
	Total	**23**	**0**	**23**	

The summary of Qualifications /NOS /Micro Credentials are placed at **Annexure I.**

18. AGENDA ITEM 18: ADDITIONAL AGENDA/ANY OTHER MATTER WITH THE PERMISSION OF THE CHAIR

Annexure I
Summary of Qualifications submitted for NSQF alignment by Awarding Bodies - Central Ministries/ State Government/ other ABs

Agenda No. 17	Name: **Assistant Bookkeeper**		Awarding Body Name **National Academy of RUDSETI**				Sector **BFSI**		**1/1**
NSQF/ NCrF Level	**3**	\multicolumn{5}{c	}{**Entry Criteria Requirement Options**}		**Notional Hours**	**In Hours**	**Occupation Map/- Progression Pathways** *Bookkeeper*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**300**	
Category of Qualification	**New Qualification**	10 pass or equivalent	-	-	-	-	Theory	**60**	Special Remarks
Occupation	**Bookkeeping**		-	-	2.5	1.5	Practical	**180**	
Qualification Type	**General**				2	3	Emp Skills	**30**	
Industry Validations	**21**						OJT	**30**	
Line Ministry	**Yes**						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	19,029	NA								
Skilling/ Up-Skilling/ Re-Skilling	**Skilling**						Elective 3	**-**	

Any other remark:
- No existing NSQF aligned qualification with similar nomenclature and NOSs
- **Previous Qualification** approved in 15th NSQC held on 03.3.2017 with Name: **Computerized Accounting**, with NSQF level 4 and duration of 240 hours. This qualification expired in March 2020 and is now being considered as new submission
- **Revised Version** at NSQF level 3 with duration 300 hours with nomenclature- Assistant Bookkeeper
- New NOSs added:
  - Employability skills
  - Health and safety module
  - Greening module
  - Refined the theoretical and practical part of Domain
- OJT added

Agenda No. 17	Name: **Welder (Manual Metal Arc Welding and Gas Cutting)**	Awarding Body Name **West Bengal State Council of Technical & Vocational Education and Skill Development**					Sector **Capital Goods**		1/1
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	390	Level 4: Metal Inert Gas/ Metal Active Gas/ Gas Metal Arc Welder (MIG/MAG/GMAW)
Category of Qualification	**New Qualification**	10th or equivalent	-		-	-	Theory	**90**	Special Remarks
Occupation	Welders and Flame Cutters	8th	-	-	-	3*	Practical	**180**	* As a welder and flame cutter.
Qualification Type	**General**				2.5	1.5*	Emp Skills	**60**	
Industry Validations	16						OJT	**60**	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	1800								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- Previous version approved conditionally for **period of 1 year in the 20th NSQC** meeting (under NSDA) dated 09/04/2018.
- Qualification submitted as **new Qualification without any changes** except duration which is brought down from 650 hours to 390 hours.
- Similar qualifications exist for Hydrocarbon Sector Skill Council (Industrial Welder (Oil & Gas) at NSQF Level 4) and Capital Goods & Strategic Skill Council (Manual Metal Arc Welding/ Shielded Metal Arc Welding Welder at NSQF Level 3). The courses are dedicated to a particular type of welding and provide thorough insights into the process, whereas the qualification proposed by WBSCT&VESD here provides a brief insight of all the welding techniques in a single course.
- This Qualification has been running since 2005 in the State of West Bengal as a flagship programme and WBSCT&VESD wants to continue with this qualification.

Agenda No. 17	Name: **Footwear and Components Testing Junior Technician**	Awarding Body Name **Leather Sector Skill Council (LSSC)**					Sector **Leather**		**1/6**
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Technician (Products and Component Testing/ Calibration) (Level – 4.5)*
Category of Qualification	**New Qualification**	12th pass or equivalent	**-**	**-**	-	-	Theory	**80**	Special Remarks
Occupation	Testing	**-**	**-**	**-**	3	3*	Practical	**160**	*Testing experience in finished product/raw material/components
Qualification Type	**General**						Emp Skills	**60**	
Industry Validations	14						OJT	**90**	
Line Ministry	Awaited**						Elective 1	**-**	** Email communication sent to DPITT on 27 Nov 2023
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 3,000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

	Any Other Remark:
	• No existing NSQF aligned qualification with similar nomenclature and NOSs • This qualification has been developed to align with DPIIT order of ensuring that all Domestic footwear are Bureau of Indian Standards (BIS) certified, as per Quality Control Orders (QCOs) order. The QCO ensures every Footwear or Components Manufacturing units should have its own in-house testing centres, which in turn creates employment opportunity for the testing technicians

Agenda No. 17	Name: **Assembly And Stitching – Assistant Supervisor (Gloves)**	Awarding Body Name **Leather Sector Skill Council (LSSC)**					Sector **Leather**		**2/6**
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	450	*Supervisor - Stitching Line) (Level – 5)*
Category of Qualification	**New Qualification**	UG-Certificate or equivalent	-	-	-	-	Theory	80	Special Remarks
Occupation	Assembling & Stitching Supervisor (Glove)	12th or equivalent				1	Practical	250	*Leather Goods/ Footwear/ Garments industry
Qualification Type	**General**	-	-	-	4	1.5*	Emp Skills	60	
Industry Validations	19						OJT	60	** Email communication sent to DPITT on 27 Nov 2023
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- No existing NSQF aligned qualification with similar nomenclature and NOSs
- With the rising demand for high-quality gloves, skilled supervisors are essential for ensuring quality, minimizing defects, and managing production timelines in the assembly and stitching processes. Their expertise also helps the workforce adapt to new techniques, driving industry competitiveness and innovation.
- This qualification supports the development of Skilled supervisors, essential for sustaining industry growth and innovation

Agenda No. 17	Name: **Knitting Machine Operator – Footwear**			Awarding Body Name **Leather Sector Skill Council (LSSC)**				Sector **Leather**		**3/6**
NSQF/ NCrF Level	**3**	\multicolumn{5}{c} **Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**330**	*Junior Technician – Knitting/ Closing (Level – 4)*
Category of Qualification	**New Qualification**	10th				-	Theory	**50**	Special Remarks
Occupation	Knitting (Non - Leather Footwear)	8th				3*	Practical	**190**	*Footwear Manufacturing/ Textile knitting industry
Qualification Type	**General**				2.5	1.5*	Emp Skills	**30**	** Email communication sent to DPITT on 27 Nov 2023
Industry Validations	19						OJT	**60**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 1,500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- There is no existing NSQF aligned and approved Qualification with Similar Nomenclature and NOSs
- Skilled Knitting Machine Operators are in high demand due to India's growing non-leather footwear industry. To meet the rising need for innovative and sustainable footwear, this qualification is developed to equip individuals with essential skills.

Agenda No. 17	Name: **Footwear Sole Production Operator**	Awarding Body Name **Leather Sector Skill Council (LSSC)**					Sector **Leather**		**4/6**
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**330**	*Junior Technician (Molding/IP/RB) (Level – 4))*
Category of Qualification	**New Qualification**	10th				-	Theory	**50**	**Special Remarks**
Occupation	Footwear Sole Making	8th				3*	Practical	**190**	*Footwear Manufacturing industry
Qualification Type	**General**				2.5	1.5*	Emp Skills	**30**	
Industry Validations	19						OJT	**60**	** Email communication sent to DPITT on 27 Nov 2023
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 8,000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- No existing NSQF aligned qualification with similar nomenclature and NOSs
- India's footwear industry is experiencing rapid growth due to the influx of global manufacturers. To meet the increasing demand for high-quality soles, skilled operators proficient in rubber mixing and injection molding are essential
- This qualification equips individuals with the expertise to support India's position as a global footwear manufacturing hub

Agenda No. 17	Name: **Quality Control Inspector - Leather Accessories & Garments**	Awarding Body Name **Leather Sector Skill Council (LSSC)**					Sector **Leather**		**5/6**
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Supervisor – Quality) (Level – 5)*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**450**	
Category of Qualification	**New Qualification**	UG-Certificate or equivalent	-	-	-	1*	Theory	**100**	Special Remarks
Occupation	Quality Assurance (Goods and Garments)	-	-	-	4	1.5*	Practical	**170**	*Leather Goods or Garments Manufacturing industry
Qualification Type	**General**						Emp Skills	**60**	
Industry Validations	21						OJT	**120**	** Email communication sent to DPITT on 27 Nov 2023
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted: 1,896	Projected: 1,000					Elective 2	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- No existing NSQF aligned qualification with similar nomenclature and NOSs
- Previous qualification approved in **7th NSQC meeting held on 18.06.2015** with Name: **Quality Control Inspector - Goods and Garments** with NSQF **Level 5** and duration of **120 Notional hours**. The Validity of the qualification ended on 24th September 2021 and is now being considered as new submission
- The number of NOSs has been increased from 3 to 5 and rationalized with hours multiples of 30 and Credits assigned
- New NOS related to Non-Leather Goods & Accessories Quality control techniques has been included
- Employability Skills added (60 Hours)

Agenda No. 17	Name: **Parts Making Helper (Goods & Garments)**	Awarding Body Name **Leather Sector Skill Council (LSSC)**					Sector **Leather**		**6/6**
NSQF/ NCrF Level	**2**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**270**	*Stitching Operator – Goods & garments,* ▪ *Cutter – Goods & Garments (Level – 3)*
Category of Qualification	**New Qualification**	Ability to Read and Write	-	-	-	-	Theory	**50**	Special Remarks
Occupation	Parts Making Assistance						Practical	**130**	** Email communication sent to DPITT on 27 Nov 2023
Qualification Type	**General**						Emp Skills	**30**	
Industry Validations	21						OJT	**60**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted: 2,525	Projected: 4,000					Elective 2	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

▪ No existing NSQF aligned qualification with similar nomenclature and NOSs

▪ Previous qualification approved in **7th NSQC held on 18th June 2015** as **"Helper - Parts Making (Goods & Garments)"** with notional hour of **120,** revised in **22nd NSQC held on 19th December 2018** with same nomenclature, but **notional hours revised to 200**. The Validity ended on **31st March 2022** and is now being considered as new submission.

▪ The number of NOSs has been increased from 3 to 4 and rationalized in multiples of 30 and credits added

▪ The NOSs has been updated with current industry requirements like the PCs related to assisting in Non leather bags and luggage manufacturing

▪ Employability skills added (30 hours)

Agenda No. 17	Name: **Client Engagement Associate**	Awarding Body Name **Management and Entrepreneurship & Professional Skills Council (MEPSC)**					Sector **Management**		1/4
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**330**	*Client Engagement - Sr. Associate (Level 3.5)*
Category of Qualification	**New Qualification**	10th or equivalent					Theory	**50**	Special Remarks
Occupation	Customer Service				2.5	1.5*	Practical	**190**	* in service/ manufacturing sector
Qualification Type	**General**						Emp Skills	**30**	
Industry Validations	30						OJT	**60**	** Email communication sent to MSDE on 22 May 2024
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- Client Engagement Associate is a highly demanded job role across sectors. Demand for employees who are responsible for optimizing the last-mile delivery of the company's products and/or services and enhancing the happiness quotient of its customers is ever increasing.
- It is a multi-sector qualification that will fulfil the manpower requirement across different organizations.

Agenda No. 17	Name: **Documentation Executive (Import-Export)**	Awarding Body Name **Management and Entrepreneurship & Professional Skills Council (MEPSC)**					Sector **Management**		2/4
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**540**	*Business Support Practitioner*
Category of Qualification	**New Qualification**	UG Certificate or Equivalent					Theory	**210**	Special Remarks
Occupation	Legal and Compliance	12th grade				1.5*	Practical	**240**	* in service/ manufacturing sector
Qualification Type	**General**						Emp Skills	**60**	
Industry Validations	30						OJT	**30**	** Email communication sent to MSDE dated 22 May 2024
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- The documentation executive (import-export) assists an import-export business only with **legal** and **compliance-related** documents. The requirement for this kind of service is there in the industry and already in practice.

Agenda No. 17	Name: **Basics of Financial Literacy**	Awarding Body Name **Management and Entrepreneurship & Professional Skills Council (MEPSC)**					Sector **Management**		3/4
NSQF/ NCrF Level	**2**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	
Category of Qualification	**New MC**	Ability to read and write					Theory	**15**	Special Remarks (Experience/Trade)
Occupation	Office Support						Practical	**15**	** Email communication sent to MSDE dated 22 May 2024
Qualification Type	**Multi-Skill**						Emp Skills		
Industry Validations	30						OJT	-	
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- The course curriculum has been designed with UNICEF and trained more the 25000 candidates in the year 2024. UNICEF has prepared 15 hrs digital content to train candidates which is aligning with the NCVET ES module on financial literacy.

- This curriculum will prepare an individual to understand the very basics of managing different aspects of personal finance and understanding about managing money physically and digitally, develops awareness about security of money management.

Agenda No. 17	Name: **Fundamentals of Digital Literacy (Office Applications)**	Awarding Body Name **Management and Entrepreneurship & Professional Skills Council (MEPSC)**					Sector **Management**		4/4
NSQF/ NCrF Level	**2.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	
Category of Qualification	**New Micro-Credential**	9th					Theory	**10**	Special Remarks
Occupation	Office Support			8th passed and continuing education			Practical	**20**	* in service/ manufacturing sector
Qualification Type	**General**	8th				1.5*	Emp Skills		
Industry Validations	30	5th				6*	OJT	-	** Email communication sent to MSDE dated 22 May 2024
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- The course curriculum has been designed with UNICEF and trained more the 30000 candidates in the year 2024.
- This micro credential covers the basics of digital literacy about MS Word, MS Excel, and MS PowerPoint. These skills are very much essential to perform any kind of official work in today's job market but have been majorly overlooked.

Agenda No. 17	Name: **Retail Order Fulfilment Assistant**	Awarding Body Name **Retailers Association's Skill Council of India**					Sector **Retail**		1/4
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Merchant Relationship Executive*
Category of Qualification	**New Qualification**	10th					Theory	**126**	Special Remarks
Occupation	Sales Operations; Store Operations	9th				1.5*	Practical	**144**	*Relevant experience in Store Operations
Qualification Type	**General**	8th				3*	Emp Skills	**60**	
Industry Validations	30				2.5	1.5*	OJT	**60**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted						Elective 2	**-**	
	880	Projected 4000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- The previous version of this qualification was approved on **11th August 2020**, with the nomenclature "Service Fulfilment Executive" at NSQF Level 3 with 300 Notional Hrs and expired in **March 2023**, hence, it is re-submitted as a new qualification aligned with the industry demand.
- This qualification empowers retailers in hiring individuals under organised, un-organised and e-retailing segments to process customer orders, deliver products at customer's doorstep and process customer payments. As a result of boom in quick e-commerce post Covid including numerous neighbourhood retailers need competent individuals to fulfill customer orders in this role without any errors.

Agenda No. 17	Name: **Retail Sales Executive**	Awarding Body Name **Retailers Association's Skill Council of India**					Sector **Retail**		2/4
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Visual Merchandiser*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**480**	
Category of Qualification	**New Qualification**	12th					Theory	**171**	Special Remarks
Occupation	Store Operations	10th				3*	Practical	**189**	* Relevant Experience in Store Operations
Qualification Type	**General**				3	3*	Emp Skills	**60**	
Industry Validations	30				3.5	1.5*	OJT	**60**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	2188 / 4000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- The previous version of this qualification was approved on **22nd August 2019**, with the nomenclature " Retail Sales Specialist cum Cashier" at NSQF Level 4 with 392 Notional Hrs and expired in **February 2023**, hence, it is re-submitted as a new qualification aligned with the industry demand.
- The qualification empowers retailers to hire Retail Sales Executives who are multiskilled, and will be able to adopt consultative selling approach to meet the requirements of the customers with respect to high value products / services. The qualification makes the individual competent in understanding customer needs, proposing solutions, handling objections, resolving complaints and closing the sale by processing payment transactions and other roles of a retail cashier.
- The industry demand for this job role indicates a requirement of more than 20000 candidates in the year 2024-25 across various locations.

Agenda No. 17	Name: **Retail Merchandise Manager**	Awarding Body Name **Retailers Association's Skill Council of India**					Sector **Retail**		3/4
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Category Manager*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	630	
Category of Qualification	**New Qualification**	3 yr. UG				1.5*	Theory	**219**	Special Remarks
Occupation	Retail and Wholesale	2 yr. Diploma after 12th				3*	Practical	**261**	* Advanced MS Excel skill required as a prerequisite
Qualification Type	**Future**	3 yr. Diploma after 10th				4.5*	Emp Skills	**90**	& * Relevant Experience in Store Operations Mangement
Industry Validations	19	12th				6*	OJT	**60**	
Line Ministry	Yes				5	1.5*	Elective 1	-	
Training Data	Conducted / Projected				4.5	3*	Elective 2	-	
	NA / 100								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective3	-	

Any other remark:
- The role of a Retail Merchandise Manager is expanding due to the evolving retail landscape, where e-commerce and omnichannel strategies heighten the need for effective merchandise management. it is essential for managing complex supply chains, optimizing inventory, forecasting demand and successfully driving the business objectives of a retail organisation.
- This qualification entails usage of artificial intelligence tools too including the domain competencies and helps the individual to equip themselves for future needs to undertake retail merchandise management activity to deliver profitable results for a retail organisation.

Agenda No. 17	Name: **Fundamentals of Artificial Intelligence (AI) for Retail**	Awarding Body Name **Retailers Association's Skill Council of India**					Sector **Retail**		4/4
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *NA*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	
Category of Qualification	**New Micro-Credential**	12ᵗʰ					Theory	**15**	Special Remarks
Occupation	NA	10ᵗʰ				3*	Practical	**15**	* Relevant experience in Store Operations
Qualification Type	**Future**				3	3*	Emp Skills	**-**	
Industry Validations	05				3.5	1.5*	OJT	**-**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 500								
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	**-**	

Any other remark:
- This micro credential helps in developing comprehensive understanding of AI, including its fundamental concepts, and leveraging this knowledge to outline diverse applications within the retail industry including how AI can personalize the customer shopping experience whilst transforming and enhancing retail operations.
- Training the candidates in AI fundamentals equips candidates with the skills to utilize AI technologies effectively, driving better customer experiences, operational efficiency, and strategic decision-making in the retail industry.
- This micro credential can essentially be offered at high school levels, existing retail workforce and embedded as a part of the curriculums in HEIs too.

Agenda No. 17	Name: **Horticulturist (Protected Cultivation)**		Awarding Body Name **Agriculture Skill Council of India**					Sector **Agriculture**		1/2
NSQF/ NCrF Level	**5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	1. **Hi-Tech Nursery Cultivation** 2. **Vegetable Cultivation** 3. **Flower Cultivation**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**Min: 480 (390+90) Max: 660 (390+90+90+90)**	*Greenhouse Manager*
Category of Qualification	**New Qualification**		UG Diploma* or Equivalent					Theory	**90**	Special Remarks
Occupation	Gardeners, Horticultural and Nursery Growers		10+3 year diploma*				1.5**	Practical	**120**	*Agriculture/Horticulture/Agriculture Engineering
Qualification Type	**General**		12				3**	Emp Skills	**90**	**in Agriculture and allied sectors
Industry Validations	<mark>10</mark>***		10				6**	OJT	**90**	***Required- 21 Industry Validations
Line Ministry	Awaited					4.5	1.5**	Elective 1	**90**	**** Sent to Mechanization
Training Data	Conducted	Projected						Elective 2	**90**	& Technology division, Department of Agriculture and Farmers Welfare on
	179	5000				4	3**			31st March 2024.
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**90**	Reminder sent on 7th May 2024

Any other remarks:

- Previous version name: Horticulturist-Protected Cultivation. Approved on 25 February 2021 and expired in February 2024. Now being considered as new qualification for this NSQC
- The qualification aims to support the government of India in promoting horticulture through protected cultivation structures such as greenhouse, polyhouse, shade-net house, tunnels or synthetic mulches and as part of Mission of Integrated Development of Horticulture scheme they are providing a financial incentive to farmers, with projected requirement of 1.2 Lakh for the year 2024 to 2027, as indicated in the ASCI's Skill Gap Study (2022 to 2027)
- Maximum includes all electives, Minimum includes one elective
- New NOS added - Install and Commission protected cultivation structure and competencies on environmental monitoring (e.g., using sensors for plant health)

Agenda No. 17	Name: **Tropical/Sub-tropical Fruit Grower**	Awarding Body Name **Agriculture Skill Council of India**					Sector **Agriculture**		2/2
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	1. **Pomegranate** 2. **Guava** 3. **Jujube (Ber)** 4. **Mango** 5. **Banana** 6. **Citrus Fruits**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**Min: 390** **Max: 570** **(390+30+30+30+30+30+30)**	Horticulture Farm Supervisor
Category of Qualification	**New Qualification**	12th or equivalent					Theory	**90**	Special Remarks
Occupation	Cultivator, Fruit	10		2 year continuous education			Practical	**120**	*Agriculture and allied sectors ** Requisite number of Industry validations to be 21
Qualification Type	**General**	10				3*	Emp Skills	**30**	
Industry Validations	<mark>12</mark>**				3.5	1.5*	OJT	**30**	
Line Ministry	Yes				3	3*	Elective 1	**30**	
Training Data	Conducted	Projected					Elective 2	**30**	
	217	20000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**30**	
							Elective 4	**30**	
							Elective 5	**30**	
							Elective 6	**30**	

Any other remarks:

- Previous version name: Tropical/Subtropical Fruit Grower. Approved on 25 February 2021 and expired on February 2024. Now being considered as new qualifications for this NSQC
- The projected requirement of tropical/sub-tropical fruit grower is 6 Lakh for 2024-2027 as per ASCI's Skill Gap Study (2022- 2027)
- Maximum includes all electives, Minimum is without any elective. The candidate can do the qualification without any electives also
- The qualification was reviewed by the Ministry of Agriculture, ICAR, and a broad range of top stakeholders, including experts from agricultural universities, AICRP, and KVKs was consulted during stakeholders. Their feedback confirmed that all relevant suggestions were already integrated, validating that no changes were required

Agenda No. 17	Name: **Basics of Cage Culture Fish Farming**	Awarding Body Name **Agriculture Skill Council of India**					Sector **Agriculture**		1/1
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	45	NA
Category of Qualification	**New NOS**	12th or equivalent					Theory	15	Special Remarks
Occupation	Aquaculture Workers	10				3*	Practical	30	*Agriculture and allied sectors
Qualification Type	**General**				3.5	1.5*	Emp Skills	-	** Requisite number of Industry validations to be 21
Industry Validations	16**				3	3*	OJT	-	
Line Ministry	Awaited***						Elective 1	-	*** Mail sent to Department of Fisheries under Ministry of Fisheries on 31st March 2024 Reminder sent on 4h July 2024
Training Data	Conducted / Projected						Elective 2	-	
	Nil / 1000						Elective 3	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling								

Any other remarks:

- Previous version named as 'Cage Culture Fish Farmer' was approved as qualification on 11th August 2020 with validity till December 2023. Now being considered as a standalone NOS for this NSQC to enable integration and fulfilling the specific requirement of fishing industry
- Cage Culture fish farming has been actively promoted by National Fisheries Development Board (NFDB) and Indian Council for Agricultural Research's (ICAR) Central Marine Fisheries Research Institute (CMFRI) and has a projected skilling requirement of 3000 plus mariculture operators/farmer for the year 2024 to 2025 as indicated in ASCI's Skill Gap Study for Fisheries (2021)
- Added competencies include cage installation with UV-resistant netting of appropriate mesh size and float, fish stocking and feeding plans, regular health assessments with quarantine measures, maintenance of cage integrity, and adherence to post-harvest regulations.

Agenda No. 17	Name: **Low Profile Dump Truck (LPDT) Operator**		Awarding Body Name **Skill Council for Mining Sector (SCMS)**				Sector **Mining**		1/4
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1. Underground Metal 2. Underground Coal**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Loader Operator- Underground (Level-4.0)*
Category of Qualification	**New Qualification**	10th or equivalent	-	-	-	-	Theory	**40**	Special Remarks
Occupation	Loading and Hauling - Underground	9th	-	-	-	1.5*	Practical	**110**	* In Mining Industry
Qualification Type	**General**	8th	-	-	-	3*	Emp fSkills	**30**	#Assistant- Underground Mines
Industry Validations	17	5th	-	-	-	7.5*	OJT	**150**	*Email communication sent to Ministry of Mines and Ministry of Coal on 19 April 2024 and reminder email sent on 22 July 2024
Line Ministry	Awaited*	-	-	-	2.0#	3*	Elective 1	**60**	
Training Data	Conducted / Projected — NA / 85						Elective 2	**60**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- Such Qualification is not available in the Mining Sector or in any other SSCs.
- SCMS received suggestion from Ministry of Mines to develop this Qualification vide letter dated 16th November, 2021, F.No. 04/3/2020-ES&IT.
- SCMS has received training demands from Indian Metals & Ferro Alloys Limited (IMFA) for 10 nos. and from Udaipur Chamber of Commerce & Industry (UCCI) for 75 nos. in this Qualification.

Agenda No. 17	Name: **Slurry Pump Operator (Mines)**	Awarding Body Name **Skill Council for Mining Sector (SCMS)**					Sector **Mining**		2/4
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1. Underground Metal** **2. Opencast** **3. Underground Coal** **4. Rare Earth**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Pump Operator-Mining (Level-4.0)*
Category of Qualification	**New Qualification**	10th or equivalent	-	-	-	-	Theory	**40**	Special Remarks
Occupation	Mechanical Services	9th	-	-	-	1.5*	Practical	**110**	* In Mining Industry # Assistant-Opencast Mines or Assistant-Underground Mines *Email communication sent to Ministry of Mines and Ministry of Coal on 19 April 2024 and reminder email sent on 22 July 2024
Qualification Type	**General**	8th	-	-	-	3*	Emp Skills	**30**	
Industry Validations	<mark>17</mark>	5th	-	-	-	7.5*	OJT	**150**	
Line Ministry	Awaited*	-	-	-	2.0#	3*	Elective 1	**60**	
Training Data	Conducted / Projected						Elective 2	**60**	
	NA / 300						Elective 3	**60**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 4	**60**	

Any other remark:
- Such Qualification is not available in Mining Sector or in any other SSCs.
- Recently Mining industry is adopting transportation of Mining materials (like Ore/waste/tailings) through slurry pipelines over long distances which is cost effective and environment friendly. This Qualification is required to cater to the emerging demand in this field.
- SCMS has received training demand of 300 nos. for this Qualification from Udaipur Chamber of Commerce & Industry (UCCI).
- Slurry Pipeline transportation technology has also been adopted by Kudremukh Iron Ore Company Limited(KIOCL) and JSW Utkal Steel Limited. So, demand for training may arise in future.

Agenda No. 17	Name: **Drill Operator {Down-the-hole/Long Hole (DTH/LH)**	Awarding Body Name **Skill Council for Mining Sector (SCMS)**					Sector **Mining**		3/4
NSQF/ NCrF Level	**3.0**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1.Underground Metal 2. Underground Coal**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic /Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Drilling Foreman (to be developed) (Level-4.0)*
Category of Qualification	**New Qualification**	10th or equivalent	-	-	-	-	Theory	40	Special Remarks (Experience/T rade)
Occupation	Drilling/Cutting	9th	-	-	-	1.5*	Practical	110	* In Mining Industry
Qualification Type	**General**	8th	-	-	-	3*	Emp Skills	30	# Assistant-Underground Mines
Industry Validations	17	5th	-	-	-	7.5*	OJT	150	*Email communication sent to Ministry of Mines and Ministry of Coal on 19 April 2024 and reminder email sent on 22 July 2024
Line Ministry	Awaited*	-	-	-	2.0#	3*	Elective 1	60	
Training Data	Conducted / Projected						Elective 2	60	
	NA / 60								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- Such Qualification is not available in Mining Sector or in any other SSCs.

- As Mining industry is undergoing rapid mechanisation to improve efficiency, safety and productivity, this Qualification is required to cater to the demand of transitioning of Open Pit Mines to Underground Mines for extraction of deep-seated minerals.

- SCMS has received demand of training in this Qualification for 10 nos. from Indian Metals & Ferro Alloys Limited (IMFA) and for 50 nos. from Udaipur Chamber of Commerce & Industry (UCCI).

Agenda No. 17	Name: **Mine Foreman/Overman**	Awarding Body Name **Skill Council for Mining Sector (SCMS)**					Sector **Mining**		4/4
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1. Underground Metal** **2. Opencast** **3. Underground Coal**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	750	*Manager (Mines) (to be developed) (Level-6.0)*
Category of Qualification	**New Qualification**	3rd year of 4year UG Degree in relevant field*				1#	Theory	**180**	Special Remarks (Experience/Trade)
Occupation	Drilling/Cutting	2 Year Diploma after 12th in relevant field*	-	-	-	1.5#	Practical	**150**	*Mining/Geology Engineering
Qualification Type	**General**	3 year Diploma after 10th in relevant field*	-	-	-	3#	Emp Skills	**90**	# in Mining Industry ## Mining Mat
Industry Validations	<mark>20</mark>	-	-	-	5##	1.5#	OJT	**240**	**Email communication sent to Ministry of Mines and Ministry of Coal on 19 April 2024 and reminder email sent on 22 July 2024e/Sirdar
Line Ministry	Awaited**						Elective 1	**90**	
Training Data	Conducted	Projected						Elective 2	**90**
	NA	515							
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**90**	

Any other remark:
- Such Qualification is not available in Mining sector or in any other SSCs.
- SCMS has received training demand in this Qualification for 15 nos. from Indian Metals & Ferro Alloys Limited (IMFA) and for 500 Nos. from Udaipur Chamber of Commerce & Industry (UCCI).
- Demand has also aggregated from NTPC advertisement of 67 nos. of candidates in this job role.

Agenda No. 17	Name: **Stainless Steel Heavy Structure Fabricator**	Awarding Body Name **Indian Iron and Steel Sector Skill Council (IISSSC)**					Sector **Iron and Steel**		1/1
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *(Stainless Steel Heavy Structure Fabricator-Expert, Lev-6)To be developed*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**600**	
Category of Qualification	**New Qualification**	2nd year of 4year UG Degree (BE/ B.Tech) in relevant field**				6 Months	Theory	**154**	Special Remarks
Occupation	Mechanical Maintenance	2 Year diploma after 12th in relevant field**				1.5*	Practical	**206**	**Metallurgy /Mechanical / Production
Qualification Type	**General**	3 Year diploma after 10th in relevant field**				2*	Emp Skills	**90**	*In relevant field
Industry Validations	<mark>19</mark>	12th or equivalent in relevant field#				3*	OJT	**150**	# Fitter, Machinist, Welder
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 5000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- The focus on Stainless Steel as a preferred material of choice has been fairly recent. The Government's push for Infra Projects along with focus on green technologies has brought Stainless Steel to the forefront of multiple Infra projects.
- IISSSC has received training demand in this Qualification for 5000 nos. from Jindal Stainless Limited for FY 24-25.
- No Qualification for Heavy Structure Fabrication is available in Iron and Steel Sector or in any other SSCs. However, there is a Qualification of Stainless Steel titled "Stainless Steel Fabrication", is available in Capital Goods Sector SSC which focuses on fabrication of stainless steel gates, railing, grills, furniture-Table, Chair, Bed etc. so, this Qualification is entirely different from the Qualification of Capital Goods Sector Skill Council.

Agenda No. 17	Name: **Assistant Lab Technician - Food and Agricultural Commodities**		Awarding Body Name **Sector Skill Council for Food Processing Industries (FICSI)**					Sector **Food processing**		1/5
NSQF/ NCrF Level	**3**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years		**Total**	**330**	*Food Sampler*
Category of Qualification	**Revised Qualification**	10th						Theory	**70**	Special Remarks
Occupation	Quality Analysis/ Assurance	8th				3*		Practical	**170**	* Food processing industry/Food Lab
Qualification Type	**General**				2.5	1.5*		Emp Skills	**30**	
Industry Validations	21				2	3*		OJT	**60**	
Line Ministry	Yes							Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	114	200								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remark (wrt revision):

- Previous version of this qualification was approved on 29/07/2021 with validity till 29th July 2024
- NSQF Level reduced from level 4 to 3
- Existing NOSs updated to align with current industry practices.
- Employability Skill NOS and OJT added
- New NOS have been added –
  - ✓ FIC/N7627- Prepare the lab for testing samples
  - ✓ FIC/N9907- Apply food safety and Maintain hygiene in the laboratory

Agenda No. 17	Name: **Assistant Baking Technician**	Awarding Body Name **Sector Skill Council for Food Processing Industries (FICSI)**					Sector **Food processing**		2/5
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**300**	*Plant Biscuit Production Specialist*
Category of Qualification	**Revised Qualification**	10th or Equivalent					Theory	**60**	Special Remarks
Occupation	Processing-Bread & Bakery	8th or Equivalent				3*	Practical	**150**	* Food processing industry
Qualification Type	**General**				2.5	1.5*	Emp Skills	**30**	
Industry Validations	21				2	3*	OJT	**60**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected — 4117 / 5000						Elective 2	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark (wrt revision):

- Previous version of this qualification was approved on 29/07/2021 with Name **Baking Technician and** validity till 29/07/2024.
- Exiting NOSs updated to align with current industry practices
- Employability Skill NOS and OJT added
- Automation and other Industry 4.0 aspects have been incorporated as knowledge and understanding components.
- New NOS have been added -
  - ✓ FIC/N9026- Prepare for production
  - ✓ FIC/N9906- Apply food Safety guidelines in Food processing.

Agenda No. 17	Name: **Dairy Product Processor**	Awarding Body Name **Sector Skill Council for Food Processing Industries (FICSI)**					Sector **Food processing**		3/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	1- **Fermented Dairy Products** 2- **Fat-Based Dairy Products** 3- **Frozen Dairy Products** 4- **Condensed Dairy Products**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**480 (min 900(max)**	*Supervisor- Dairy Products*
Category of Qualification	**Revised Qualification**	12th or Equivalent					Theory	**90**	Special Remarks
Occupation	Processing-Dairy Products	10th or Equivalent				2*	Practical	**180**	*Food processing industry/ Dairy Industry
Qualification Type	**General**				3.5	1.5*	Emp Skills	**60**	
Industry Validations	21				3	3*	OJT	**60**	
Line Ministry	Yes						Elective 1	**180**	
Training Data	Conducted / Projected 2330 / 3500						Elective 2	**120**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**120**	
							Elective 4	**90**	

Any other remark (wrt revision):
- Previous version of qualification approved on 29/07/2021 with till- 29/07/2024.
- NSQF Level reduced from 5 to 4
- Exiting NOSs updated to align with current industry practices.
- Electives based on different types of products have been included to provide specialized knowledge and skills.
- New NOS have been added-
  - ✓ FIC/N9026- Prepare for production
  - ✓ FIC/N2030 - Prepare for Post-Production Maintenance
  - ✓ FIC/N9906- Apply food Safety guidelines in Food processing

Agenda No. 17	Name: **Fish & Seafood Jr. Processor**	Awarding Body Name **Sector Skill Council for Food Processing Industries (FICSI)**					Sector **Food processing**		4/5
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**300**	*Seafood Processor*
Category of Qualification	**Revised Qualification**	10th or Equivalent					Theory	**80**	Special Remarks
Occupation	Processing-Fish & Seafood	8th or Equivalent				3*	Practical	**160**	*Food processing industry/ Fish Industry
Qualification Type	**General**				2.5	1.5*	Emp Skills	**30**	
Industry Validations	21				2	3*	OJT	**30**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	1281 / 1800								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark (wrt revision):

- Previous version of this qualification was approved on 29/07/2021 with nomenclature **Fish and Seafood processing technician, with validity till** - 29/07/2024
- OJT added
- NOSs updated to align with current industry practices, Automation and other Industry 4.0 aspects have been incorporated as knowledge and understanding components.
  New NOS have been added-
  ✓ FIC/N9026- Prepare for production
  ✓ FIC/N9906- Apply food Safety guidelines in Food processing

Agenda No. 17	Name: **Assistant Food Sales Promoter**	Awarding Body Name **Sector Skill Council for Food Processing Industries (FICSI)**					Sector **Food processing**		5/5
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**300**	*Sales In-Charge (Food)*
Category of Qualification	**Revised Qualification**	10th or Equivalent					Theory	**80**	Special Remarks
Occupation	Food Sales and Retail Operations	8th or Equivalent				3*	Practical	**160**	* Food processing industry
Qualification Type	**General**				2.5	1.5*	Emp Skills	**30**	
Industry Validations	21				2	3*	OJT	**30**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	1300 / 1800								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark (wrt revision):
- Previous version of this qualification was approved on 29/07/2021 with validity till - 29/07/2024.
- OJT added
- New NOS have been added –
  - ✓ FIC/N9906- Apply food Safety guidelines in Food processing

Agenda No. 17	Name: **Care Homes Supervisor**	Awarding Body Name **Domestic Workers Sector Skill Council**					Sector **Domestic**		1/3
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1. Children 2. PwD 3. Old Age**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**750 (Max)** **510 (Min)**	Manager Care Homes
Category of Qualification	**New Qualification**	UG Certificate or Equivalent					Theory	**130**	Special Remarks
Occupation	Caregiving	12th or Equivalent				1.5*	Practical	**170**	*Child Care; Elderly care; Caregiving PwD
Qualification Type	**General**	10th or Equivalent				4.5*	Emp Skills	**60**	
Industry Validations	18				4	1.5*	OJT	**30**	** Email Communication sent to Ministry of Labour and Employment on 12 Apr 2024
Line Ministry	Awaited**				3.5	3*	Elective 1	**120**	
Training Data	Conducted / NA	Projected / 1500					Elective 2	**120**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**120**	

Any other remarks :
- One elective is mandatory.
- No duplicate Qualification in NQR
- The demand for care home Supervisors in India is rising due to the increasing number of care homes. Currently, there are around 10,000 care homes in India and this number is expected to grow in the future.

Agenda No. 17	Name: **Counsellor Child Care**	Awarding Body Name **Domestic Workers Sector Skill Council**					Sector **Domestic**		2/3
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic /Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	510	Senior Child Care Counsellor
Category of Qualification	**New Qualification**	UG Certificate or Equivalent					Theory	130	Special Remarks
Occupation	Caregiving	12th or Equivalent				1.5*	Practical	230	*Child Care; Psychology; Counselling
Qualification Type	**General**	10th or Equivalent				4.5*	Emp Skills	60	
Industry Validations	15				4	1.5*	OJT	90	** Email Communication sent to Ministry of Labour and Employment on 12 Apr 2024
Line Ministry	Awaited**				3.5	3*	Elective 1		
Training Data	Conducted / Projected						Elective 2		
	NA / 1100								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3		

Any other remarks:
- No duplicate Qualification in NQR
- The demand for Counsellors in Child Care is increasing both in India and abroad. In India job opportunities are available in schools, childcare centers, and NGOs. Industry reports project an 8% growth in the job market for Counsellors in Child Care over the next decade leading to a significant rise in job openings.
- Counsellor Child Care job roles is developed on the need basis of **Centre for Gerontological Studies, based in Kerala**

Agenda No. 17	Name: **Assistant Creche Caretaker**	Awarding Body Name **Domestic Workers Sector Skill Council**					Sector **Domestic**		3/3
NSQF/ NCrF Level	**3.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**N/A**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	420	Senior Creche Caretaker
Category of Qualification	**New Qualification**	11th or Equivalent					Theory	132	Special Remarks
Occupation	Caregiving	10th or Equivalent				1.5*	Practical	198	*Child Care; Baby Care
Qualification Type	**General**	8th				3*	Emp Skills	30	**Email Communication sent to Ministry of Labour and Employment on 12 Apr 2024
Industry Validations	15				3	1.5*	OJT	60	
Line Ministry	Awaited**				2.5	3*	Elective 1		
Training Data	Conducted / Projected						Elective 2		
	NA / 1500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3		

Any other remarks:
- No duplicate Qualification in NQR
- Under Maternity Benefit Act 2017 the requirement of trained professional to setting up the crèches in residential Area, Office premises and at community places accessible by the working parents.
- The demand for Creche Caretakers is increasing in both India and abroad. In India the need is driven by the rising number of working parents while abroad there is a growing demand for Creche Caretakers, particularly in countries with a high number of dual-income households.
- **This role is required by Rastrapati Bhawan officials to train their staff.**

Agenda No. 17	Name: **Sewage Treatment Plant Operator**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		1/6
NSQF/ NCrF Level	**4.0**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**450**	*Plant Supervisor (L5)*
Category of Qualification	**New Qualification**	12th or equivalent					Theory	**90**	Special Remarks
Occupation	Plumbing Plant Operations	11th				1.5 *	Practical	**240**	*Relevant experience in Water Supply/ Water Treatment/ Quality Control
Qualification Type	**General**				3.5	1.5 *	Emp Skills	**30**	
Industry Validations	30				3.0	3 *	OJT	**90**	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD) for concurrence
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted	Projected:					Elective 2	**-**	
	NA	5000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- During the interaction with industry, it was identified that there is a demand for a qualified and trained workforce as STP operator.
- The companies like Suez, dupont, huliot and thermax are facing challenges in identifying the required manpower. Also, the trainings are also being provided to raise the workforce to the desired skill set.
- Many of places, these companies have taken over the municipal setup and become operational partner for effective management of STP as various plant are difunctional due to various reasons.
- Also, Small STP in housing societies, Commercial complexes, Malls, Hospitals also need the workforce for Inhouse STP plant to reuse the water for flushing.

Agenda No. 17	Name: **Industrial Wastewater Treatment Plant Operator**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		2/6
NSQF/ NCrF Level	**4.0**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**450**	*Plant Supervisor (L5)*
Category of Qualification	**New Qualification**	12th or equivalent					Theory	**120**	**Special Remarks**
Occupation	Plumbing Plant Operations	11th				1.5 *	Practical	**240**	*Relevant experience in Water Supply/ Water Treatment/ Quality Control
Qualification Type	**General**				3.5	1.5 *	Emp Skills	**30**	
Industry Validations	30				3.0	3 *	OJT	**60**	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD) for concurrence
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 9000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

	Any other remark:
	▪ Similar qualification of Life Sciences Sector Skill Development Council titled "**Effluent Treatment Plant Operator – Life Sciences (Pharma, Bio-Pharma & Research)**" which is applicable to the Life Science sector, whereas the proposed qualification is intended to cover industries across a variety of sectors. ▪ The proposed qualification has 80% unique Performance Criteria (PCs), as different types of methods and products are used to treat effluent generated from different Industries such as Dairy, leather, textile, chemical etc. ▪ The government has mandated the creation and maintenance of Effluent Treatment Plants (ETPs) to control contamination in industrial wastewater and reduce pollution before its disposal into water bodies.

Agenda No. 17	Name: **Water Treatment Plant Assistant Operator**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		3/6
NSQF/ NCrF Level	**3.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**420**	*Sewage Treatment Plant operator (L4) Industrial Wastewater Treatment Plant Operator (L4)*
Category of Qualification	**New Qualification**	11th					Theory	**90**	**Special Remarks**
Occupation	Plumbing Plant Operations	10th or equivalent				1.5*	Practical	**240**	*Relevant experience in Water Supply/ Water Treatment/ Quality Control
Qualification Type	**General**				3	1.5*	Emp Skills	**30**	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD) for concurrence
Industry Validations	30				2.5	3*	OJT	**60**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 10000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- In India, the role of a Water Treatment Plant Assistant Operator is critical for ensuring that water treatment facilities operate efficiently and meet the required standards for safe and clean drinking water. The specific requirements for this role can vary depending on the size of the plant, its location, and the type of water being treated (e.g., municipal, industrial, or agricultural).
- The operator will be able to assist Effluent Treatment Plants (ETP) & Sewage Treatment Plant (STP) Operator and can become Operator after getting required trainings and Skills.

Agenda No. 17	Name: **Pipeline Fitter**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		4/6
NSQF/ NCrF Level	**3.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**1. Industrial** **2. Municipal**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**420**	*Plumber – General, Technician – Water Distribution System, Jal Vitaran Sanchalak*
Category of Qualification	**Revised Qualification**	11th					Theory	**120**	**Special Remarks**
Occupation	Plumbing System Installation and Maintenance	10th or equivalent				1.5*	Practical	**210**	* Plumbing Systems Installations and Maintenance
Qualification Type	**General**				3	1.5*	Emp Skills	**30**	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD)
Industry Validations	30				2.5	3*	OJT	**30**	
Line Ministry	Awaited**						Elective 1	**30**	
Training Data	Conducted / Projected						Elective 2	**30**	
	6541 / 5000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- Previous Version approved on 04 March 2015 with validity till 05 March 2020 and nomenclature of **Plumber (Pipeline)**
- **New competencies added**: conducting route surveys, preparing installation areas, assembling pipes and fittings on-site, planning installations around obstacles, and performing cutting, threading, bending, coating of pipes as required, pipeline layout drawings, diagnosing issues, isolating repair areas, replacing defective components, and ensuring proper testing and documentation of repair work for handover to authorities
- Aligned with needs of government scheme & Initiatives like **AMRUT 2.0, Jal Jeevan Mission, and the Public Health Engineering Departments of several states**
- Additionally, WMPSC has received similar manpower requirements from **Canada**

Agenda No. 17	Name: **Sales Executive – Plumbing And Sanitary Goods**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		5/6
NSQF/ NCrF Level	**4.0**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	450	Senior Sales Executive - Plumbing and Sanitary Goods (L 4.5)
Category of Qualification	**Revised Qualification**	12th or Equivalent					Theory	**90**	**Special Remarks**
Occupation	Sales	11th				1.5*	Practical	**240**	*Experience in sales preferably in a related field such as construction materials, home improvement, or building supplies
Qualification Type	**General**				3.5	1.5*	Emp Skills	**60**	
Industry Validations	30				3	3*	OJT	**90**	
Line Ministry	Awaited**						Elective 1	-	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD) for concurrence
Training Data	Conducted / Projected						Elective 2	-	
	4550 / 15000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- The job title **"Plumbing Products Sales Officer"** has been revised to **"Sales Executive - Plumbing and Sanitary Goods."**
- Date of approval: 04 March 2015 (validity 5 years), since 05 March 2020 the qualification is archived.
- **New competencies added:** sales targets and target demographics, identifying product features and pricing, interpreting product specifications from design drawings, gathering sales leads, and preparing sales presentations for different customer segments, potential customers, pitching products effectively using the AIDAS technique, resolving customer queries, managing sales documentation, and fostering long-term customer relationships to ensure customer loyalty.
- Renowned companies like Ashirvad Pipes, Jaquar, Hindware, Trueflow, Roca, Geberit, Grohe, Supreme Pipes, and others have significant requirements for manpower at their Dealer and distributor's network.

Agenda No. 17	Name: **Fundamentals Of Water Quality Analysis: Test Kit Techniques**	Awarding Body Name **Water Management and Plumbing Skill Council (WMPSC)**					Sector **Plumbing**		6/6
NSQF/ NCrF Level	**2.0**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	NA
Category of Qualification	**New Micro Credential**	Ability to read and write					Theory	**10**	**Special Remarks**
Occupation	Service						Practical	**20**	**On Jan 25, 2024, communicated to Jal Jeevan Mission (JJM) and Central Public Works Department (CPWD) for concurrence
Qualification Type	**General**						Emp Skills	-	
Industry Validations	30						OJT	-	
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	1.5 lakhs						Elective 3	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- With 85% of the rural water supply dependent on ground water, which may contain contaminants like the Arsenic, Fluoride, Iron etc. and can poses serious health issues significantly reducing the achievement of full human potential.
- Thus, the qualification will provide training to **Aanganwardi workers and members of self-help groups in rural areas** to test the quality water using portable test kits.

Agenda No. 17	Name: **Four-Wheeler Service Technician**	Awarding Body Name **Automotive Skills Development Council**					Sector **Automotive**		1/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	480	*Four-Wheeler Service Lead Technician*
Category of Qualification	**Revised Qualification**	10th	2 years NAC/NTC*				Theory	130	Special Remarks
Occupation	Technical Service and Repair	10th	-	-	-	3	Practical	260	*Automotive, Diesel Mechanic, Two/ Four Wheeler Mechanic and relevant trades
Qualification Type	**General**	11th	-	-	-	1.5	Emp Skills	60	
Industry Validations	14		-	-	Level 3	3	OJT	30	** Email sent to MHI on 13.08.2024
Line Ministry	Awaited						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	24234 / 30000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- Previous version approved on 22/09/2020 with a validity till 19/09/2025.
- The Kerala State board, Vocational Higher Secondary Education (Kerala VHSE) has requested an extension of the qualification date to implement the course for 11th and 12th grade students for the next two years preferably up to 2026.
- No Change otherwise.

Agenda No. 17	Name: **Auto Rickshaw Driver**	Awarding Body Name **Automotive Skills Development Council**					Sector **Automotive**		2/5
NSQF/ NCrF Level	**2.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Driver Trainer LMV*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**270**	
Category of Qualification	**Revised Qualification**	8th	-	-	-	-	Theory	70	Special Remarks
Occupation	Driving	5th Class	-	-	-	3	Practical	140	** Email sent to MHI on 13.08.2024
Qualification Type	**General**						Emp Skills	30	
Industry Validations	14						OJT	30	
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted / 357	Projected / 500					Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- Previous version was approved on 31/08/2021 at NSQF level 4 with a validity till 31/08/2024
- **Mandatory:** Minimum age of 20 Years with valid driving license as per Central Motor Vehicles Act, 1989.
- Rationalisation of Hours in multiple of 30 Hours and aligned to NCrF
- Addition of new NOS Employability Skills (60 hours).

Agenda No. 17	Name: **Service Technician (Heavy Motor Vehicle)**	Awarding Body Name **Automotive Skills Development Council**					Sector **Automotive**		3/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic /Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	420	*Four-wheeler Service Lead Technician*
Category of Qualification	**Revised Qualification**	10th	2 years NAC/NTC*				Theory	**110**	Special Remarks
Occupation	Technical Service and Repair	11th	-	-	-	1.5	Practical	**220**	*Automotive, Diesel Mechanic, Two/ Four Wheeler Mechanic and relevant trades
Qualification Type	**General**	10th	-	-	-	3	Emp Skills	**60**	
Industry Validations	14		-	-	3	3	OJT	**30**	
Line Ministry	Awaited**						Elective 1	-	** Email sent to MHI on 13.08.2024
Training Data	Conducted	Projected						Elective 2	-	
	200	500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- Rationalisation of Hours in multiple of 30 Hours aligned to NCrF.
- Addition of new NOS Employability Skills (60 hours).
- Previous version was approved on 28/04/2022 with a validity till 28/04/2025

Agenda No. 17	Name: **Driving Trainer-LMV**	Awarding Body Name **Automotive Skills Development Council**					Sector **Automotive**		4/5
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Fleet Telematic Executive*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**360**	
Category of Qualification	**Revised Qualification**	12th	-	-	-	4	Theory	**110**	Special Remarks
Occupation	Driving	U.G. Degree	-	-	-	1	Practical	**160**	** Email sent to MHI on 13.08.2024
Qualification Type	**General**		-	-	4	2	Emp Skills	**60**	
Industry Validations	14						OJT	**30**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	380 / 500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remarks:

- **Mandatory:** Minimum age of 20 Years with valid driving license as per Central Motor Vehicles Act, 1989.
- Rationalisation of Hours in multiple of 30 Hours and aligned to NCrF with changing in NSQF Level to 4.5 from level 5 and addition of new NOS Employability Skills (60 hours).
- Previous version was approved on 30/09/2021 with a validity till 31/09/2024

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Agenda No. 17	Name: **Automotive Service Advisor**		Awarding Body Name **Automotive Skills Development Council**					Sector **Automotive**		5/5
NSQF/ NCrF Level	**4.5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic / Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**570**	*Automotive Service Manager*
Category of Qualification	**Revised Qualification**		10th	1 Year NAC/NTC	-	-	3	Theory	**120**	Special Remarks
Occupation	Technical Service and Repair		3 Years diploma after 10th**	-	-	-	1.5	Practical	**150**	**Diploma in Mechanical/ Automobile/ Electrical/ Electronics field.
Qualification Type	**General**			-	-	4	1.5	Emp Skills	**60**	
Industry Validations	14							OJT	**240**	
Line Ministry	Awaited**							Elective 1	**-**	** Email sent to MHI on 13.08.2024
Training Data	Conducted	Projected						Elective 2	**-**	
	285	500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remark:
- Rationalisation of Hours in multiple of 30 Hours and aligned to NCrF with change in NSQF Level to 4.5 from level 6.
- Addition of new NOS Employability Skills (60 hours).
- Previous version was approved on 31/08/2021 with a validity till 31/08/2024
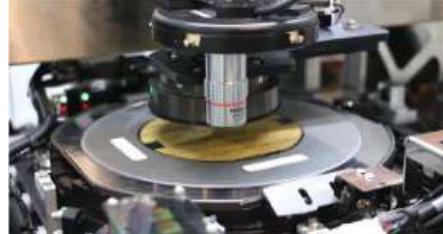
Agenda No. 17	Name: **General Fitness Trainer**	Awarding Body Name **Sports, Physical Education, Fitness & Leisure Sector Skills Council (SPEFL-SC)**						Sector **Sports**		1/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**		**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**450**		*Personal Fitness Trainer/Group Fitness Trainer*
Category of Qualification	**Revised Qualification**	12th or equivalent	-	-	-	0.5*	Theory	90		Special Remarks
Occupation	Sports Coaching and Fitness	10th or Equivalent	-	-	-	3*	Practical	180		*Relevant Experience in Fitness Industry
Qualification Type	**General**	-	-	-	3	3*	Emp Skills	60		**Line Ministry concurrence mail was sent on 31/03/2024 and the reminder was sent on 13/08/2024
Industry Validations	28						OJT	120		
Line Ministry	Awaited**						Elective 1			
Training Data	Conducted	Projected						Elective 2	-	
	71184	10000						Elective 3	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling									

Any other remark:

- A General Fitness Trainer provides support and guidance during workout sessions. They oversee the gym floor, respond to inquiries, and ensure that all equipment is used safely and maintained properly.
- New elements in NOSs are added to Enhance client experience, facilitate client motivation and goal setting.
- Previous version was approved on 27/05/2021.
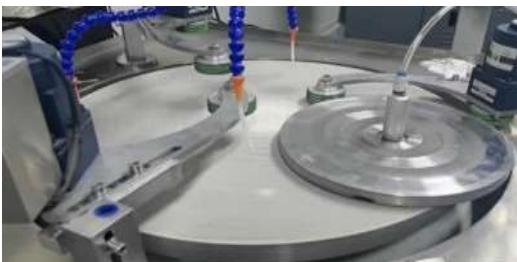
Agenda No. 17	Name: **Personal Fitness Trainer**	Awarding Body Name **Sports, Physical Education, Fitness & Leisure Sector Skills Council (SPEFL-SC)**					Sector **Sports**		2/5
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**600**	*Strength and Conditioning Coach*
Category of Qualification	**Revised Qualification**	2-year diploma in relevant field after 12th	-	-	-	2*	Theory	**150**	Special Remarks
Occupation	Sports Coaching and Fitness	12th	-	-	-	3*	Practical	**240**	*Relevant Experience in Fitness Industry **Line Ministry concurrence mail was sent on 31/03/2024 and the reminder was sent on 13/08/2024
Qualification Type	**General**	10th	-	-	-	6*	Emp Skills	**90**	
Industry Validations	28	-	-	-	4	3*	OJT	**120**	
Line Ministry	Awaited**						Elective 1		
Training Data	Conducted / Projected						Elective 2	-	
	1408 / 1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- The Personal Fitness Trainer is responsible for assessing the fitness levels, planning personalized workout sessions, and monitoring progress to meet the desired fitness goals of the personal clients.
- New elements are added in the NOSs to facilitate post-workout mobility and stretching.
- Previous version was approved on 27/05/2021.

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Agenda No. 17	Name: **Group Fitness Trainer**	Awarding Body Name **Sports, Physical Education, Fitness & Leisure Sector Skills Council (SPEFL-SC)**					Sector **Sports**		3/5
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	570	*Strength and Conditioning Coach*
Category of Qualification	**Revised Qualification**	2-year diploma in relevant field after 12th	-	-	-	2*	Theory	**120**	Special Remarks
Occupation	Sports Coaching and Fitness	12th	-	-	-	3*	Practical	**240**	*Relevant Experience in Fitness Industry **Line Ministry concurrence mail was sent on 31/03/2024 and the reminder was sent on 13/08/2024
Qualification Type	**General**	10th	-	-	-	6*	Emp Skills	**90**	
Industry Validations	28	-	-	-	4	3*	OJT	**120**	
Line Ministry	Awaited**						Elective 1		
Training Data	Conducted	Projected						Elective 2	-
	519	500							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- A Group Fitness Trainer leads rhythmic fitness classes, through music and choreography. The trainer helps participants develop different aspects of fitness and wellness through dynamic, group-focused activities.
- New elements in NOSs are added to improve the development of a group fitness training program.
- Previous version was approved on 27/05/2021.

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Agenda No. 17	Name: **Strength And Conditioning Coach**	Awarding Body Name **Sports, Physical Education, Fitness & Leisure Sector Skills Council (SPEFL-SC)**					Sector **Sports**		4/5
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic /Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**690**	*Fitness Centre Head*
Category of Qualification	**Revised Qualification**	Graduation in Phy.Edu/Sports	-	-	-	2*	Theory	**150**	Special Remarks
Occupation	Sports Coaching and Fitness	2-year of diploma in relevant field after 12th	-	-	-	3*	Practical	**270**	*Relevant Experience working in the gym, sports academy as a trainer/coach
Qualification Type	**General**	12th	-	-	-	5*	Emp Skills	**90**	**Line Ministry concurrence mail was sent on 31/03/2024 and the reminder was sent on 13/08/2024
Industry Validations	28	-	-	-	5	1.5*	OJT	**180**	
Line Ministry	Awaited**						Elective 1		
Training Data	Conducted						Elective 2	-	
	161	Projected							
		200							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

	Any other remark:
	▪ Strength and Conditioning Coach design tailored training programs to enhance athletes' strength, speed, agility, and overall performance. ▪ New elements in NOSs are added to improve athletic performance. ▪ Previous version was approved on 27/05/2021.

Agenda No. 17	Name: **Fitness Centre Head**	Awarding Body Name **Sports, Physical Education, Fitness & Leisure Sector Skills Council (SPEFL-SC)**					Sector **Sports**		5/5
NSQF/ NCrF Level	**6**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**870**	*Regional Fitness Head*
Category of Qualification	**Revised Qualification**	4-year UG	-	-	-	3*	Theory	**180**	Special Remarks
Occupation	Sports Coaching and Fitness	3-year UG	-	-	-	4.5*	Practical	**390**	*Relevant Experience in Fitness Industry as a trainer/business development executive
Qualification Type	**General**	2 years diploma in phy. edu. /Sports after 12th	-	-	-	6*	Emp Skills	**120**	
Industry Validations	28	-	-	-	5.5	1.5*	OJT	**180**	**Line Ministry concurrence mail was sent on 31/03/2024 and the reminder was sent on 13/08/2024
Line Ministry	Awaited**		ssdf				Elective 1		
Training Data	Conducted	Projected						Elective 2	-
	24	40							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

	Any other remark:
	▪ A Fitness Centre Head oversees daily operations, marketing, profitability, staff management, and ensures customer satisfaction and member retention.
	▪ New element in NOS 'plan human resource and operations' is added to plan the budget of a fitness centre.
	▪ Previous version was approved on 27/05/2021.

Agenda No. 17	Name: **Assembly Process Technician – Wafer Testing**		Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		1/8
NSQF/ NCrF Level	**4.5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	450	Assembly Process Sr. Technician – Wafer Thinning & Lapping (Level-5)
Category of Qualification	**New Qualification**		UG-Certificate or equivalent*	-	-	-	-	Theory	**60**	Special Remarks
Occupation	Semiconductor		12th (Science)	-	-	-	1.5*	Practical	**180**	*Electronics/ Telecom/IT **Email Communication sent to Department of Telecommunications on 23 June 2024
Qualification Type	**Future**		-	-	-	4	1.5*	Emp Skills	**60**	
Industry Validations	5							OJT	**150**	
Line Ministry	Awaited**							Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remark:

- The qualification has been developed in consultation with MeitY and Indian Cellular Electronics Association (ICEA) to promote Semiconductor Mission in India and develop the skilled workforce.
- The role of an 'Assembly Process Technician - Wafer Testing' in the telecom industry involves working with wafer test equipment, executing wafer test procedures, analyzing test data, and maintaining the testing equipment.

Agenda No. 17	Name: **Assembly Process Sr. Technician – Wafer Thinning & Lapping**	Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		2/8
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**540**	Assembly Process Sr. Technician – Wafer Dicing (Level-5.5)
Category of Qualification	**New Qualification**	UG Diploma in relevant field*	-	-	-	-	Theory	**90**	Special Remarks
Occupation	Semiconductor	2-year diploma after 12th*	-	-	-	-	Practical	**210**	*Electronics/Telecom/IT **Email Communication sent to Department of Telecommunications on 23 June 2024
Qualification Type	**Future**	12	-	-	-	3	Emp Skills	**60**	
Industry Validations	5	-	-	-	**4.5**	**1.5**	OJT	**180**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

▪ The qualification has been developed in consultation with MeitY and Indian Cellular Electronics Association (ICEA) to promote Semiconductor Mission in India and develop the skilled workforce,

▪ The role of 'Assembly Process Sr. Technician - Wafer Thinning & Lapping' involves managing the thinning and lapping processes specifically for telecom applications. It includes operating and maintaining equipment used in telecom wafer processing, as well as overseeing quality control and ensuring safety in telecom semiconductor manufacturing within the telecom industry.

Agenda No. 17	Name: **Assembly Process Sr. Technician – LASER Marking**	Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		3/8
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** Assembly Process Sr. Technician – Wafer Dicing (Level-5.5)
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/S killing Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	540	
Category of Qualification	**New Qualification**	UG Diploma	-	-	-	-	Theory	**120**	Special Remarks
Occupation	Semiconductor	2-year diploma after 12th	-	-	-	-	Practical	**210**	* Electronics/Telecom/IT **Email Communication sent to Department of Telecommunications on 23 June 2024
Qualification Type	**Future**	12	-	-	-	3	Emp Skills	**60**	
Industry Validations	5	-	-	-	**4.5**	**1.5**	OJT	**150**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- The qualification has been developed in consultation with MeitY and Indian Cellular Electronics Association (ICEA) to promote Semiconductor Mission in India and develop the skilled workforce,

- The role of 'Assembly Process Sr. Technician – Laser Marking' involves operating laser marking machines for semiconductor wafers, maintaining laser marking equipment, ensuring the quality of laser-marked semiconductor wafers, and managing and documenting the laser marking process in telecom semiconductor manufacturing within the telecom industry.

Agenda No. 17	Name: **Assembly Process Supervisor – Wafer Dicing**	Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		4/8
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**570**	Substrate Design and Process Manager (Level-6)
Category of Qualification	**New Qualification**	UG Degree*	-	-	-	-	Theory	**150**	Special Remarks
Occupation	Semiconductor	2-year diploma after 12th	-	-	-	2	Practical	**180**	*Electronics/Telecom/IT **Email Communication sent to Department of Telecommunications on 23 June 2024
Qualification Type	**Future**	-	-	-	5	1.5	Emp Skills	**90**	
Industry Validations	5	-	-	-	4.5	3	OJT	**150**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- The qualification has been developed in consultation with MeitY and Indian Cellular Electronics Association (ICEA) to promote Semiconductor Mission in India and develop the skilled workforce.

- The role of 'Assembly Process Supervisor - Wafer Dicing' involves optimizing the dicing process, selecting and managing cutting tools, analyzing yield and developing improvement strategies, and maintaining equipment, records, and reports within the telecom industry.

Agenda No. 17	Name: **Substrate Design and Process Manager**		Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		5/8
NSQF/ NCrF Level	**6**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**600**	Lead Manager - Packaging (Level-6.5)
Category of Qualification	**New Qualification**		4-year UG*	-	-	-	1	Theory	**150**	Special Remarks
Occupation	Semiconductor		2-year diploma after 12th	-	-	-	4	Practical	**180**	*Electronics/ Telecom/IT
Qualification Type	**Future**		-	-	-	5.5	1.5	Emp Skills	**90**	**Email Communication sent to Department of Telecommunications on 23 June 2024
Industry Validations	5		-	-	-	5	3	OJT	**180**	
Line Ministry	Awaited**							Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remark:

- The qualification has been developed in consultation with Semicon Academy, Bangalore to promote Semiconductor Mission in India and develop the skilled workforce

- The role of a 'Substrate Design and Process Manager' in the telecom industry centers around providing substrate design support, ensuring process integration and collaboration, and overseeing quality assurance and documentation.

Agenda No. 17	Name: **Reliability & Quality Control Manager**	Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		6/8
NSQF/ NCrF Level	**6**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** Lead Manager - Packaging (Level-6.5)
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**660**	
Category of Qualification	**New Qualification**	4-year UG*	-	-	-	1	Theory	**180**	Special Remarks
Occupation	Semiconductor	2-year diploma after 12th	-	-	-	4	Practical	**210**	*Electronics/Telecom/IT
Qualification Type	**Future**	-	-	-	5.5	1.5	Emp Skills	**90**	**Email Communication sent to Department of Telecommunications on 23 June 2024
Industry Validations	5	-	-	-	5	3	OJT	**180**	
Line Ministry	Awaited**						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:

- The qualification has been developed in consultation with Semicon Academy, Bangalore to promote Semiconductor Mission in India and develop the skilled workforce

- The role of the 'Reliability & Quality Control Manager' in the telecom industry involves preparing and assembling telecom equipment PCBs, conducting and analyzing stress tests to ensure equipment reliability, implementing and monitoring quality control processes, and analyzing failures to recommend improvements.

Agenda No. 17	Name: **Rope Operations, Tactics and Rescue (ROTAR)**		Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		7/8
NSQF/ NCrF Level	**4**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	60	Advanced Rope Operations, Tactics & Rescue (Level-4.5)
Category of Qualification	**New NOS**		12th or equivalent	-	-	-	1.5	Theory	**12**	Special Remarks
Occupation	Operations and Maintenance – Passive Infrastructure		10th or equivalent	-	-	-	3	Practical	**48**	**Pre-Requisites of relevant Experience.:**
Qualification Type	**General**							Emp Skills	-	1. Learners should be above 18 years and physically fit and able to participate in practical activities.
Industry Validations	10							OJT	-	
Line Ministry	Awaited*							Elective 1	-	**Email Communication to Department of Telecommunications on 23 June 2024
Training Data	Conducted	Projected						Elective 2	-	
	NA	5000								
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling							Elective 3	-	

Any other remark:
- To provide Critical Rescue Skills for rope-based rescue operations, crucial in emergency situations where traditional methods are ineffective.
- Emphasizes the use of advanced technology for enhanced situational awareness and efficiency in rescue missions.

Agenda No. 17	Name: **Height & Rescue Training (HART)**	Awarding Body Name **Telecom Sector Skill Council (TSSC)**					Sector **Telecom**		8/8
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**15**	
Category of Qualification	**New Micro-Credential**	10th or equivalent	-	-	-	1.5	Theory	**5**	Special Remarks
Occupation	Operations and Maintenance – Passive Infrastructure	8th	-	-	-	3	Practical	**10**	**Pre-Requisites relevant Experience:**
Qualification Type	**General**						Emp Skills	**-**	1. Learners should be above 18 years and physically fit and able to participate in practical Activities. *Email Communication sent to Department of Telecommunications on 23 June 2024
Industry Validations	10						OJT	**-**	
Line Ministry	Awaited*						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 5000								
Skilling/Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	**-**	

Any other remark:
- Rising safety regulations demand trained professionals for height and rescue operations across sectors.
- Training equips candidates with skills in height safety, risk identification, and advanced equipment usage, ensuring compliance with standards.

Agenda No. 17	Name: **Logistics coordinator – 2G Ethanol Plant**	Awarding Body Name **Hydrocarbon Sector Skill Council (HSSC)**					Sector **Hydrocarbon**		1/3
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**390**	*Logistics Supervisor*
Category of Qualification	**New Qualification**	10th or Equivalent	-	-	-	-	Theory	90	Special Remarks
Occupation	Bio Fuel Production - Operation & maintenance	10th	-	Continuous Education	-	-	Practical	240	
Qualification Type	**General**						Emp Skills	30	
Industry Validations	10						OJT	30	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted	Projected					Elective 2	**-**	
	NA	3000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

	Any other remarks:
	• This qualification has been designed for non-technical personnel or unskilled staff. • Under the Ethanol Blending Programme, the Government has fixed the target of 20% blending of ethanol with petrol by 2025. • In order to achieve the target of 20% blending by 2025, about 1016 crore litres of ethanol is required and accordingly skilled professionals would be required in this segment.

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Agenda No. 17	Name: **Industrial Cleaner – Oil & Gas**		Awarding Body Name **Hydrocarbon Sector Skill Council (HSSC)**					Sector **Hydrocarbon**		2/3
NSQF/ NCrF Level	**2.5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**330**	*Supervisor*
Category of Qualification	**New Qualification**		9th	-	-	-	1.5*	Theory	90	Special Remarks
Occupation	Housekeeping		8th	-		-	3*	Practical	180	* Housekeeping Experience
Qualification Type	**General**							Emp Skills	30	
Industry Validations	10							OJT	30	
Line Ministry	Yes							Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	3000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	-	

Any other remarks:
- This qualification has been designed for non-technical personnel.
- These cleaner's will be categorically trained for Oil & Gas segment on health, safety and hazardous aspects.

Agenda No. 17	Name: **Jr. Plumber (City Gas Distribution)**	Awarding Body Name **Hydrocarbon Sector Skill Council (HSSC)**					Sector **Hydrocarbon**		3/3
NSQF/ NCrF Level	**2.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**300**	*Plumber Technician*
Category of Qualification	**New Qualification**	9th	-	-	-	1.5*	Theory	60	Special Remarks
Occupation	Pipe fitting	8th	-	-	-	3*	Practical	180	* City Gas Distribution
Qualification Type	**General**						Emp Skills	30	
Industry Validations	10						OJT	30	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected					Elective 2	-	
	NA	2000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- Pradhan Mantri Urja Ganga project in India aims to increase the reach of piped natural gas (PNG), thereby creating a demand for trained plumbers.
- According to the Ministry of Petroleum & Natural Gas (MoPNG), the 11th City Gas Distribution sector (CGD) bidding round increased potential coverage of City Gas Distribution (CGD) network to about 98 percent of the population and 88% of the geographical area of the country.
- About 23,500 km of gas pipelines network is under operation and around 12000 km of pipeline is under construction by Petroleum and Natural Gas Regulatory Board.
- The Goal of the Government is to complete the vision of 'one nation one gas grid' by 2030.

Agenda No. 17	Name: **Basics of Green Hydrogen Cooling & Compression Process**	Awarding Body Name **Hydrocarbon Sector Skill Council (HSSC)**					Sector **Hydrocarbon**		1/2
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	
									NA
Category of Qualification	**New Micro Credential**	3-year diploma after 10**	-	-	-	1.5*	Theory	20	Special Remarks
Occupation	Hydrogen Production, Storage & Transportation	12th or equivalent in science	-	-	-	3*	Practical	10	* Experience in Hydrocarbon or Oil & Gas Sector
Qualification Type	**Future**						Emp Skills	-	
Industry Validations	10						OJT	-	**Diploma in Mechanical/ Electrical/ chemical.
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	1350					Elective 3	-	
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling								

Any other remark:
- Requirement under Green Hydrogen Mission
- For people who are in Hydrocarbon or Oil & Gas Sector

Agenda No. 17	Name: **Basics of Green Hydrogen Water Treatment Process**	Awarding Body Name **Hydrocarbon Sector Skill Council (HSSC)**					Sector **Hydrocarbon**		2/2
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	*NA*
Category of Qualification	**New** **Micro Credential**	3-year diploma after 10**	-	-	-	1.5	Theory	20	Special Remarks
Occupation	Hydrogen Production, Storage & Transportation	12th or equivalent in science	-	-	-	3	Practical	10	* Experience in Hydrocarbon or Oil &Gas Sector
Qualification Type	**Future**						Emp Skills	-	
Industry Validations	10						OJT	-	**Diploma in Mechanical/ Electrical/ chemical.
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 1350								
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	-	

Any other remark:

- Requirement under Green Hydrogen Mission
- For people who are in Hydrocarbon or Oil & Gas Sector

Agenda No. 17	Name: **Jr. Technician Mechatronics**	Awarding Body Name **Ganpat University**					Sector **Automotive**		1/3
NSQF/ NCrF Level	**3.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Technician - Mechatronics*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**1200**	
Category of Qualification	**New Qualification (OEM-Tata Motors)**	10ᵗʰ or equivalent	-	-	-	-	Theory	**270**	Special Remarks
Occupation	Automobile Technician	-	-	-	Level 3	-	Practical	**360**	
Qualification Type	**General**						Emp Skills	**120**	
Industry Validations	30						OJT	**450**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / NA	Projected / 1500					Elective 2	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- Training will be conducted for TATA Motors Employees.

Agenda No. 17	Name: **Technician - Mechatronics**	Awarding Body Name **Ganpat University**					Sector **Automotive**		2/3
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Lead Technician Mechatronics*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**1200**	
Category of Qualification	**New Qualification (OEM-Tata Motors)**	12th or equivalent	-	-	-	-	Theory	**270**	Special Remarks
Occupation	Automobile Technician				Level 3.5 (Jr. Mechatronics Technician)		Practical	**270**	
Qualification Type	**General**						Emp Skills	**120**	
Industry Validations	30						OJT	**540**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / NA	Projected / 1500						Elective 2		
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- Training will be conducted for TATA Motors Employees.

Agenda No. 17	Name: **Lead Technician Mechatronics**		Awarding Body Name **Ganpat University**					Sector **Automotive**		3/3
NSQF/ NCrF Level	**4.5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Supervisor Mechatronics*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years		**Total**	**1200**	
Category of Qualification	**New Qualification (OEM-Tata Motors)**	-	-	-	Level 4 (Technician Mechatronics,)	-		Theory	**270**	Special Remarks
Occupation	Automobile Technician	-	-	-	-	-		Practical	**270**	
Qualification Type	**General**							Emp Skills	**120**	
Industry Validations	30							OJT	**540**	
Line Ministry	Yes							Elective 1	**-**	
Training Data	Conducted / NA	Projected / 1500						Elective 2	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remark:

- Training will be conducted for TATA Motors Employees.
- After successfully completion of this qualification, trainee will also get award of Diploma Mechatronics Engineering.

Agenda No. 17	Name: **Travel Coordinator**	Awarding Body Name **Mewar University**					Sector **Tourism & Hospitality**		1/4
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	630	*Sr. Travel Coordinator*
Category of Qualification	**New Qualification**	UG Diploma or equivalent*					Theory	160	Special Remarks
Occupation	Tourism & Hospitality	12th or equivalent				3*	Practical	320	* Tourism Industry
Qualification Type	**General**						Emp Skills	60	
Industry Validations	30						OJT	90	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 300								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- Rajasthan received over 52 million domestic tourists and 1.6 million international tourists in 2019, necessitating efficient travel coordination to manage itineraries and bookings.
- Related qualifications exist for Tourism and Hospitality SSC with Nomenclature **Travel Consultant at NSQF Level 4.5**. Mewar University has 50% difference in NOS's - "Travel Technology and Tools", "Specialized Travel" and "Geography and Destination Knowledge
- With tourism contributing around 15% to Rajasthan's GDP, the growing number of travel agencies and tour operators creates a strong demand for Assistant Travel Coordinators.

Agenda No. 17	Name: **Culinary Assistant**	Awarding Body Name **Mewar University**					Sector **Tourism & Hospitality**		2/4
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	570	*Assistant Chef*
Category of Qualification	**New Qualification**	UG Certificate or equivalent*					Theory	**120**	Special Remarks
Occupation	Food and Beverages	12th				1.5*	Practical	**330**	* Tourism Industry
Qualification Type	**General**	10th				4.5*	Emp Skills	**60**	
Industry Validations	30				4	1.5*	OJT	**60**	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	N/A	300								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

	Any other remarks:
	▪ The rise in hotels and restaurants, driven by Rajasthan's tourism boom, has led to increased demand for culinary staff, with over 2,000 registered hotels requiring skilled assistants. ▪ Tourists' interest in experiencing authentic Rajasthani cuisine heightens the need for Culinary Assistants to support chefs in maintaining quality and authenticity.

Agenda No. 17	Name: **Assistant Housekeeper (Hospitality)**	Awarding Body Name **Mewar University**					Sector **Tourism & Hospitality**		3/4
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Floor Supervisor*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**540**	
Category of Qualification	**New Qualification**	12th or Equivalent					Theory	**120**	Special Remarks
Occupation	Housekeeping	10th or Equivalent				3*	Practical	**270**	* Hospitality Sector
Qualification Type	**General**				3.5	1.5*	Emp Skills	**60**	
Industry Validations	30						OJT	**90**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	N/A / 300								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remarks:
- Rajasthan's hospitality sector includes over 5,000 accommodation units, where housekeepers are essential to maintaining cleanliness and guest satisfaction.
- Related qualifications exist for Tourism and Hospitality SSC with nomenclature **Guest Service Associate Housekeeping at Level 4.** Assistant Housekeeper qualification has 40% difference in NOS's- "Sustainability Green Practice", "Housekeeping Management Practice" "Laundry Operations".
- The post-pandemic rise in tourism has led to higher hotel occupancy rates, directly increasing the demand for housekeeping services.

Agenda No. 17	Name: **Assistant Tourist Guide**	Awarding Body Name **Mewar University**					Sector **Tourism & Hospitality**		4/4
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *Tourist Guide*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	540	
Category of Qualification	**New Qualification**	12th or Equivalent					Theory	80	Special Remarks
Occupation	Tourism & Hospitality	10th or Equivalent				3*	Practical	310	* Tourism Sector
Qualification Type	**General**				3.5	1.5*	Emp Skills	60	
Industry Validations	30						OJT	90	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	N/A	300								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- The Assistant Tourist Guide Qualification covers essential aspects of tour guiding in a well-structured manner and focuses on practical and applicable skills making it easier for beginners to grasp and apply the knowledge effectively.
- Rajasthan's numerous UNESCO World Heritage Sites and cultural landmarks require knowledgeable guides, with Assistant Tourist Guides supporting the influx of visitors.

Agenda No. 17	Name: **Fire Safety Officer**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		1/3
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**600**	*Fire Safety Manager L 6*
Category of Qualification	**New Qualification**	4 Year UG (Science)				1*	Theory	**270**	Special Remarks
Occupation	Fire Safety Engineering & Management	3 Year UG (Science)				2*	Practical	**180**	*Civil, Mechanical, Automobile, Electrical, Chemical Iron & Steel, Mining, Hydrocarbons sector or from any other engineering/ safety related works **Email communication sent to M/o L&E dated 13 June 2023
Qualification Type	**Cross Sectoral**	3-year diploma after 10th	-			3*	Emp Skills	60	
Industry Validations	30		2-year NTC after 10th			4*	OJT	90	
Line Ministry	Awaited**				4.5	1.5*	Elective 1	-	
Training Data	Conducted	Projected				4	3*	Elective 2	-	
	NA	1600								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- It's a multi sector qualification that fulfils the requirement for various verticals & is relevant across different domains
- The role of a Fire Safety Officer is increasingly sought after across various industries. As urbanization and industrialization progress, cities expand and industries grow, leading to a higher concentration of buildings and the use of combustible materials. This escalation raises the potential for fire incidents, making it essential for fire safety professionals to manage and mitigate these risks effectively.
- There is no current qualification that bears a similar name.

Agenda No. 17	Name: **Electrical Safety Supervisor**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		2/3
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**600**	*Electrical Safety Inspector, L 6*
Category of Qualification	**New Qualification**	4 Year UG (Science)				1*	Theory	**270**	Special Remarks
Occupation	Electrical Safety Management	3 Year UG (Science)				2*	Practical	**180**	*Civil, Mechanical, Automobile, Electrical, Chemical Iron & Steel, Mining, Hydrocarbons sector or from any other engineering/ safety related works
Qualification Type	**Cross Sectoral**	3-year diploma after 10th	-			3*	Emp Skills	**60**	
Industry Validations	30		2-year NTC after 10th			4*	OJT	**90**	
Line Ministry	Awaited**				4.5	1.5*	Elective 1	-	
Training Data	Conducted	Projected				4	3*	Elective 2	-	** Email communication sent to M/o L&E dated 13 June 2023
	NA	1400								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

	Any other remarks: ▪ It's a multi sector qualification that fulfils the requirement for various verticals & is relevant across different domains ▪ The requirement for an Electrical Safety Supervisor in current industries is driven by the need to manage complex electrical systems, ensure regulatory compliance, mitigate risks, and protect both employees and assets. Their role is essential in maintaining operational efficiency, adapting to industry trends, and fostering a culture of safety within the organization. ▪ There is no current qualification that bears a similar name.

Agenda No. 17	Name: **Scaffold Design Engineer**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		3/3
NSQF/ NCrF Level	**6**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	690	Vertical Progression *Lead Scaffold Design Engineer L 6.5 Scaffold Manager L 7*
Category of Qualification	**New Qualification**	4 Year UG*				2*	Theory	**378**	Special Remarks
Occupation	Scaffold Engineering & Management	3 Year UG*				3*	Practical	**132**	* Relevant Fields - Civil, Mechanical, Automobile, Electrical, Science Discipline
Qualification Type	**Cross Sectoral**		-		5.5	1.5*	Emp Skills	**60**	
Industry Validations	30				5	3*	OJT	**120**	
Line Ministry	Awaited**						Elective 1	-	**Email communication sent to M/o L&E dated 13 June 2023
Training Data	Conducted / NA	Projected / 1200					Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- It's a multi sector qualification that fulfils the requirement for various verticals & is relevant across different domains
- The requirement for a Scaffold Design engineer is due to the fact that they ensure Scaffold Design Engineers ensure that scaffolding systems comply with industry standards and regulations (e.g., OSHA, ANSI, EN 12811). This includes proper design, construction, and maintenance of scaffolding to meet legal safety requirements.
- There is no current qualification that bears a similar name.

Agenda No. 17	Name: **Occupational Hazards & Risk Management**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		1/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**15**	-
Category of Qualification	**New Micro credential**	12th or equivalent	-			-	Theory	**8**	Special Remarks
Occupation	Occupational Safety Health & Environment (OSHE) Engineering & Management	-	-	12th		-	Practical	**7**	*Email communication sent to M/o L&E dated 12 March 2024
Qualification Type	**Cross Sectoral**		-				Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	Awaited*						Elective 1	-	
Training Data	Conducted						Elective 2	-	
	NA	Projected 3600							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

	Any other remarks:
	• It's a multi sector MC that fulfils the requirement for various verticals & is relevant across different domains • The MC would train the professionals by skilling or upskilling them in the domain of occupational safety , hazard identification , and lastly risk mitigation policies and procedures. • There is no current MC that bears a similar name.

Agenda No. 17	Name: **Risk Analysis & Accident Prevention Methods**	**Awarding Body Name** **Safety Skill Development Foundation**					Sector **Cross Sectoral**		2/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**15**	-
Category of Qualification	**New** **Micro credential**	12th or equivalent	-			-	Theory	**8**	Special Remarks
Occupation	Occupational Safety Health & Environment (OSHE) Engineering & Management	-	-	12th		-	Practical	**7**	*Email communication sent to M/o L&E dated 12 March 2024
Qualification Type	**Cross Sectoral**		-				Emp Skills	**-**	
Industry Validations	5						OJT	**-**	
Line Ministry	Awaited*						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 3600								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective …	**-**	

	Any other remarks: • It's a multi sector MC that fulfils the requirement for various verticals & is relevant across different domains • The MC would train the professionals by skilling or upskilling them in the domain of hazard identification, risk mitigation, identification of accident causes & effects and devising their prevention methods • There is no current MC that bears a similar name.

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Agenda No. 17	Name: **Basics Of Fire Hazards & Safety**	**Awarding Body Name** **Safety Skill Development Foundation**					Sector **Cross Sectoral**		3/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	7.5	
Category of Qualification	**New** **Micro credential**	12th or equivalent	-			-	Theory	4	Special Remarks
Occupation	Fire Safety Engineering & Management	-	-	12th		-	Practical	3.5	*Email communication sent to M/o L&E dated 12 March 2024
Qualification Type	**Cross Sectoral**		-				Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	Awaited*						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 3600								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective …	-	

Any other remarks:
- It's a multi sector MC that fulfils the requirement for various verticals & is relevant across different domains
- The MC would train the professionals by skilling or upskilling them in the domain of fire safety, fire triangle , fire causing agents, fire effects, fire extinguishing equipments & methods & lastly regulations & standards on fire safety
- There is no current MC that bears a similar name

Agenda No. 17	Name: **Safety & Health Requirement of BOCW Act 1996**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		4/5
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	7.5	-
Category of Qualification	**New Micro credential**	12th or equivalent					Theory	4	Special Remarks
Occupation	Construction Engineering & Management	10th or equivalent	-			3*	Practical	3.5	*Civil, Mechanical, Automobile, Electrical, from any other engineering/ safety related works
Qualification Type	**Cross Sectoral**				3.5	1.5*	Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	Awaited**						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	**Email communication sent to M/o L&E dated 12 March 2024
	NA / 3600								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- It's a multi sector MC that fulfils the requirement for various verticals & is relevant across different domains
- The MC would train the professionals on safety & health requirements as per BOCW act as per the demands in construction sector thus equipping the workers with the safety. BOCW Act is vital in the current industrial and construction scenarios due to its focus on legal compliance, worker safety and health, welfare provisions, training, and adaptation to modern challenges. The Act helps ensure that construction sites are safe, workers are protected, and industry practices are continuously improved to meet evolving standards and regulations.
- There is no current MC that bears a similar name

Agenda No. 17	Name: **Safety Protocols for Construction Works**	Awarding Body Name **Safety Skill Development Foundation**					Sector **Cross Sectoral**		5/5
NSQF/ NCrF Level	**2.5**	**Entry Criteria Requirement Options**					Notional Hours	In Hours	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	15	-
Category of Qualification	**New Micro credential**	8th	-			1.5*	Theory	8	Special Remarks
Occupation	Construction Engineering & Management	-	-		2	1*	Practical	7	*Civil, Mechanical, Automobile, Electrical, from any other engineering/ safety related works
Qualification Type	**Cross Sectoral**		-				Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	Awaited**						Elective 1	-	**Email communication sent to M/o L&E dated 12 March 2024
Training Data	Conducted / Projected — NA / 3600						Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- It's a multi sector MC that fulfils the requirement for various verticals & is relevant across different domains
- The MC would train the professionals on Safety Protocols for Construction Works that are essential in current industries to ensure regulatory compliance, protect worker safety and health, maintain quality and consistency, manage risks, and adapt to modern construction practices. They help create a safe working environment, improve project efficiency, and support a strong safety culture within the organization.
- There is no current MC that bears a similar name

Agenda No. 17	Name: **Fundamentals of SAP Business One**	Awarding Body Name **MSME TECHNOLOGY CENTRE**					Sector **IT-ITeS**		1/1
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	90	NA
Category of Qualification	**New NOS**	3rd year UG in relevant field*	-	-	-	-	Theory	**16**	Special Remarks
Occupation	Software Engineering			3rd year UG in relevant field*	-	-	Practical	**74**	* IT/CSE/EEE/ECE/ Civil/ ME/ Any Graduate **Knowledge of Computers. Basic prerequisites should have concept of Finance/ manufacturing/ inventory management and warehousing.
Qualification Type	**Future**	12	1 years of NTC/ NAC**		3	12	Emp Skills	-	
Industry Validations	5				5	1.5	OJT	-	
Line Ministry	NA				4.5	3	Elective 1	-	
Training Data	Conducted	Projected					Elective 2	-	
	480	1000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:

- SAP (Systems, Applications & Products in Data Processing) Business One software helps improve an organization's overall efficiency and productivity.
- It helps SME's in digital transactions, and is commonly used across large enterprises.
- The ERP (Enterprise Resource Planning) solution helps manage small businesses – from accounting and financials, purchasing, inventory, sales and customer relationships to reporting and analytics.

Agenda No. 17	Name: **Essentials of Digital Statutory e-Filing**	Awarding Body Name **BFSI Sector Skill Council of India**					Sector **BFSI**		**1/2**
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	60	*NA*
Category of Qualification	**New Nos**	UG certificate or equivalent	-	-	-	-	Theory	**20**	Special Remarks
Occupation	NA			1st year of UG	-	-	Practical	**40**	* Self-paced online program
Qualification Type	**General**						Emp Skills	**-**	
Industry Validations	20						OJT	**-**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	10 Lakhs (in 3 years)						Elective 3	**-**	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remark:
- No existing NSQF aligned NOS with similar nomenclature and contents
- This is a standalone NOS with interactive learning modules for awareness of statutory filings like e-Pan, ITR, Digital Signature, GST, TDS which will empower the students/candidates to file their own IT returns
- To be implemented in Colleges/Universities
- Validations are from academic institutions

Agenda No. 17	Name: **Essentials of Personal Finance**	Awarding Body Name **BFSI Sector Skill Council of India**					Sector **BFSI**		**2/2**
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	60	*NA*
Category of Qualification	**New** **Nos**	UG certificate or equivalent	-	-	-	-	Theory	20	Special Remarks
Occupation	NA			1st year of UG	-	-	Practical	40	* Self-paced online program
Qualification Type	**General**						Emp Skills	-	
Industry Validations	20						OJT	-	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	10 Lakhs (in 3 years)								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

	Any other remark:
	▪ No existing NSQF aligned NOS with similar nomenclature and contents
	▪ Personal finance is an important wealth management tool which will make the students/candidates financially literate and will help them take financial decisions. This is an interactive learning course and will be a basic life skill for all
	▪ To be implemented in Colleges/Universities
	▪ Validations are from academic institutions
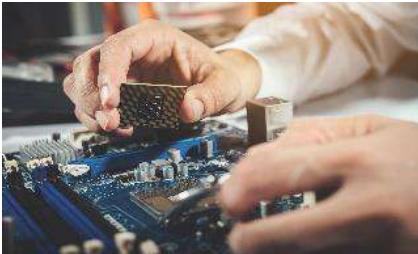
Agenda No. 17	Name: **Fundamentals of Robotronics**		Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**				Sector **Electronics and Hardware**		1/6
NSQF/ NCrF Level	**2.5**		**Entry Criteria Requirement Options**				**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	210	Assistant Robotics Technician (Introduction) (Level-3)
Category of Qualification	**New NOS**	9th					Theory	**90**	Special Remarks
Occupation	Product Design- I& A	8th		Continuous education			Practical	**120**	
Qualification Type	**Future Skill**						Emp Skills	**00**	
Industry Validations	8						OJT	**00**	
Line Ministry	Yes						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	700								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- The "Fundamentals of Robotronics" qualification addresses the growing need for foundational robotics knowledge among school students, which is critical as industries increasingly adopt automation and IoT technologies.
- No similar qualification is available at this NSQF Level
- This stand-alone NOS uniquely integrates core robotics principles, offering an early, comprehensive foundation not covered by similar qualifications.
- On-the-job training is not required as the qualification is designed to build essential skills in a controlled, academic environment, providing students with a robust knowledge base before entering the workforce.

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Agenda No. 17	Name: **Fundamentals of AIOT (Artificial Intelligence of Things)**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		2/6
NSQF/ NCrF Level	**2.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	210	Essential Fundamentals of IoT
Category of Qualification	**New** **NOS**	9th					Theory	**90**	Special Remarks
Occupation	Product Design- I& A	8th		Continuous education			Practical	**120**	
Qualification Type	**Future Skill**						Emp Skills	**00**	
Industry Validations	8						OJT	**00**	
Line Ministry	Yes						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 700								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

		Any other remark:
		● The "Fundamentals of AIOT" addresses the crucial need for early exposure, Including at School level, to AI and IoT technologies, foundational to future innovations in various industries.
		● No similar qualification is available at this NSQF Level
		● On-the-job training (OJT) is not required as the curriculum provides comprehensive theoretical knowledge and hands-on experience within a structured academic setting.

Agenda No. 17	Name: **SIC** – Internet of Things**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		3/6
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	240	IoT Hardware Analyst (ELE/Q1405) L-5
Category of Qualification	**New NOS**	UG Certificate or Equivalent *					Theory	**160**	Special Remarks
Occupation	Product Design-S&C	12th				1.5	Practical	**80**	* Relevant Field :
Qualification Type	**Future Skill**	3 year diploma after 10th *					Emp Skills	**00**	Electronics, Electrical,
Industry Validations	OEM (Samsung)	10				3	OJT	**00**	Mechanical,
Line Ministry	No				4	3	Elective 1	-	Computer Science
Training Data	Conducted / Projected						Elective 2	-	** SIC – Samsung Innovation Campus
	NA / 500								
Skilling/Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- IoT is crucial for electronics students as it connects sensors, devices and networks to develop advanced, intelligent systems.
- Similar qualification is available with DGT,NIELIT and NASSCOM. However, this is an MNC Qualification specifically designed by Samsung to provide essential skills for working with these technologies
- On-the-job training (OJT) isn't required because the course provides a thorough blend of theoretical knowledge and practical application within a structured environment.

Agenda No. 17	Name: **SIC** – Big Data**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Consumer Electronics and Hardware**		4/6
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	240	Big Data Analyst (Senior-level)
Category of Qualification	**New NOS**	UG Certificate or Equivalent *					Theory	**160**	Special Remarks
Occupation	Big Data Analyst (Junior-level)	12th				1.5	Practical	**80**	* Relevant Field : Electronics, Electrical, Mechanical, Computer Science, basic knowledge in programming
Qualification Type	**Future Skill**	3 year diploma after 10th *					Emp Skills	**00**	
Industry Validations	OEM (Samsung)	10				3	OJT	**00**	
Line Ministry	No				4	3	Elective 1	-	
Training Data	Conducted / Projected — NA / 500						Elective 2	-	** SIC – Samsung Innovation Campus
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- This course offers a unique integration of theory and practicals, cultivating essential Big Data skills specifically tailored for electronics applications.
- Similar qualification is available with DGT,NIELIT and NASSCOM. However, this is an MNC Qualification specifically designed by Samsung to provide essential skills for working with these technologies
- On-the-job training isn't necessary because the course provides comprehensive theoretical knowledge and practical skills within an academic framework.

Agenda No. 17	Name: **SIC** – **Coding and Programming**		Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		5/6
NSQF/ NCrF Level	**4**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	104	Sr. Programmer (Electronics)
Category of Qualification	**New NOS**		2nd year of 3 year diploma after 10th*					Theory	80	Special Remarks
Occupation	Jr. Programmer (Electronics)		12 or Equivalent					Practical	24	* Relevant Field : Electronics, Electrical, Mechanical, Computer Science
Qualification Type	**Future Skill**		10				3	Emp Skills	00	
Industry Validations	OEM (Samsung)					3.5	3	OJT	00	
Line Ministry	No							Elective 1	-	** SIC – Samsung Innovation Campus
Training Data	Conducted	Projected						Elective 2	-	
	NA	500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	-	

Any other remark:
- This NOS integrates core coding principles with practical applications in Python, equipping electronics engineering students with essential programming skills crucial for modern technology development.
- Similar qualification is available with DGT,NIELIT and NASSCOM. However, this is an MNC Qualification specifically designed by Samsung to provide essential skills for working with these technologies
- On-the-job training isn't necessary because the course offers a balanced mix of theoretical knowledge and practical exercises within an academic setting.

Agenda No. 17	Name: **VLSI Design Fundamentals**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		6/6
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** VLSI Design Engineer (Level 5)
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	60	
Category of Qualification	**New NOS**	2nd year of 3 year diploma after 10th*					Theory	30	Special Remarks
Occupation	Product Design-S&C	12 or Equivalent					Practical	30	
Qualification Type	**Future Skill**	10				3	Emp Skills	00	* Relevant Field : Electronics, Electrical, Mechanical, Computer Science
Industry Validations	OEM (ARM)				3	3	OJT	00	
Line Ministry	No						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 500								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- This NOS uniquely combines fundamental theory and practical skills in VLSI design, tailored specifically for engineering students and developed by ARM Processors.
- Similar qualification is available with DGT, NIELIT, however this is MNC qualification specifically designed by ARM to provides essential skills for working with ARM processor and related technologies in electronics domain.
- On-job training is not required as this NOS provides a comprehensive foundation in VLSI design fundamentals through a structured curriculum that adequately prepares students for practical application in industry settings.

Agenda No. 17	Name: **System on Chip (ARM Cortex-M0) Design Foundation**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		1/2
NSQF/ NCrF Level	**4**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	30	System on Chip (SOC) Technician
Category of Qualification	**New Micro-Credential**	2nd year of 3 year diploma after 10th*					Theory	15	Special Remarks
Occupation	Product Design-S&C	12 or Equivalent					Practical	15	
Qualification Type	**Future Skill**	10				3	Emp Skills	00	
Industry Validations	OEM (ARM)				3	3	OJT	00	* Relevant Field : Electronics, Electrical, Mechanical, Computer Science
Line Ministry	No						Elective 1	-	
Training Data	Conducted / Projected; NA / 500						Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- This micro credential uniquely offers a focused introduction to SoC design with ARM Cortex-M0, providing a balanced mix of theoretical and practical knowledge essential for engineering students.
- Similar qualification is available with DGT, NIELIT, however this is MNC qualification specifically designed by ARM to provides essential skills for working with ARM processor (Cortex-M0) and related technologies in electronics domain.
- On-job training is not required as the qualification comprehensively covers SoC design fundamentals through an integrated 30-hour course, preparing students for practical applications in industry environments.

Agenda No. 17	Name:**Essentials of Refrigeration and Air Conditioning**	Awarding Body Name **Electronics Sector Skills Council of India (ESSCI)**					Sector **Electronics and Hardware**		2/2
NSQF/ NCrF Level	**3**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**15**	Field Technician - Air Conditioner (ELE/Q3102)
Category of Qualification	**New Micro-Credential**	10 or Equivalent				1.5*	Theory	**07**	Special Remarks
Occupation	After Sales Service	8				3*	Practical	**08**	
Qualification Type	**Future Skill**				2.5	3	Emp Skills	**00**	
Industry Validations	OEM (Ozone Cell, MoEFCC)						OJT	**00**	* Relevant Field : Refrigeration and Air Conditioning
Line Ministry	No						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 500								
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	**-**	

Any other remark:
- Keeping in view the urgency and request from the Ministry of Environment, Forest, and Climate Change (MoEFCC), the micro-credential has been approved on file dated 7th Aug 2024.
- The Agenda is presented before the Committee for Ratification.
- The AB is advised to submit the supporting documents like participating handbook and facilitator guide at the earliest.

Agenda No. 17	Name: **Cloud Engineering - Google**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		1/4
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *NA*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**90**	
Category of Qualification	**New NOS**	3rd year of UG Degree (STEM)					Theory	**55**	Special Remarks
Occupation	Cloud Technology			3rd Year UG Degree (STEM)			Practical	**35**	Prerequisites: * Working with Linux at the command line
Qualification Type	**Future**				5	1.5	Emp Skills	**-**	* Editing text files from the Linux command line
Industry Validations	NA (OEM)				5.5		OJT	**-**	* Basic proficiency in web server technologies, e.g. Nginx.
Line Ministry	NA (OEM)						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	* Basic proficiency with command-line tools and Linux operating system environments.
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	**-**	

Any other remarks:
- This Upskilling NOS imparts practical Google Cloud engineering skills, bridging theory and implementation.
- It standardizes cloud-engineering expertise, aiding employers and job seekers.
- Adopting this course in the University curriculum gives learners direct access to Global competitiveness, contributing to the sector's growth.

Agenda No. 17	Name: **Cloud Data Analytics - Google**	Awarding Body Name **IT-ITeS SSC Nasscom**					Sector **IT-ITeS**		2/4
NSQF/ NCrF Level	**5.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**90**	*NA*
Category of Qualification	**New NOS**	3rd year of UG Degree (STEM)					Theory	**67**	Special Remarks
Occupation	Cloud Technology			3rd Year UG Degree (STEM)			Practical	**23**	Prerequisites: * Basic proficiency in foundational concepts, skills, and tools. * Basic proficiency with SQL, data cleaning, analysis and visualization, business intelligence, and a foundation in data communication via the design and interpretation of dashboards.
Qualification Type	**Future**				5	1.5	Emp Skills	**-**	
Industry Validations	NA (OEM)				5.5		OJT	**-**	
Line Ministry	NA (OEM)						Elective 1	**-**	
Training Data	Conducted / NA	Projected / 1000					Elective 2	**-**	
Skilling/Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	**-**	

Any other remarks:
- This Upskilling NOS provides essential skills in cloud-based data analytics using Google Cloud Platform services.
- It standardizes competencies, benefiting employers and job seekers when the course is adopted via Universities across India supporting India's digital transformation by enabling big data insights and enhances Indian data professionals' global competitiveness, contributing to the IT and analytics sectors' growth.

Agenda No. 17	Name: **Cloud Cybersecurity - Google**			Awarding Body Name **IT-ITeS SSC NASSCOM**				Sector **IT-ITeS**		3/4
NSQF/ NCrF Level	**5.5**	\multicolumn{5}{c}{**Entry Criteria Requirement Options**}			**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**90**	*NA*
Category of Qualification	**New NOS**	3rd year of UG Degree (STEM)					Theory	**70**	Special Remarks
Occupation	Cloud Security Analyst			3rd Year UG Degree (STEM)			Practical	**20**	Prerequisites: * Basic proficiency in foundational cyber security concepts, skills, and tools. * Basic proficiency with network security, threat analysis, Security Information and Event Management (SIEM) technologies, Linux and SQL, and incident detection and documentation
Qualification Type	**Future**				5	1.5	Emp Skills	-	
Industry Validations	NA (OEM)				5.5		OJT	-	
Line Ministry	NA (OEM)						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	-	

Any other remarks:
- This Upskilling NOS provides essential Google Cloud Platform - specific cloud security skills, bridging traditional and cloud cybersecurity.
- It standardizes competencies, aiding employers and job seekers when the course is adopted via Universities across India and supports India's digital transformation by enabling cloud data protection and enhances Indian cybersecurity professionals' global competitiveness, contributing to national digital resilience.
- It provides essential skills in cloud-based data analytics using Google Cloud Platform services.

Agenda No. 17	Name: **Cloud Computing Foundations - Google**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		4/4
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	60	*NA*
Category of Qualification	**New NOS**	UG Diploma (STEM)					Theory	35	Special Remarks
Occupation	Cloud Developer			2rd Year UG (STEM)			Practical	25	* Have basic IT knowledge of shell scripting and SQL
Qualification Type	**Future**				4.5	1.5	Emp Skills	-	* Have competency in at least one language (such as Python, Java) -- not required but helpful.
Industry Validations	NA (OEM)				5		OJT	-	
Line Ministry	NA (OEM)						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 1000								
Skilling/Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	-	

Any other remarks:

- This Upskilling NOS provides essential knowledge in Google cloud computing, covering core services, security, and pricing.
- It prepares individuals for entry-level cloud roles, supports IT professionals' skill expansion, and aligns with industry needs.
- It standardizes foundational Google Cloud Platform knowledge, benefiting learners when it is embedded in the University curriculum.

Agenda No. 17	Name: **Digital Application Fundamentals: STEM**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		1/4
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	15	*NA*
Category of Qualification	**New** **MC**	UG Diploma (STEM)					Theory	5	Special Remarks
Occupation	Others			2rd Year UG (STEM)			Practical	10	* Email Communication sent to MeitY on 19 July 2024
Qualification Type	**Future**				4.5	1.5	Emp Skills		
Industry Validations	5				5		OJT		
Line Ministry	Awaited*						Elective 1	-	
Training Data	Conducted: NA	Projected: 10,000					Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- This is an awareness program for Second year students focussing on introduction to emerging technologies and its applications.
- This course has been approved by UGC and AICTE to be taken in the colleges.
- MOU signed with Govt of Orissa Higher Education Department and Andhra Pradesh State Council of Higher Education for 70,000 and 50,000 learners respectively.
- 8000 learners have already enrolled in the program.

Agenda No. 17	Name: **Digital Application Fundamentals: Non-STEM**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		2/4
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM** *NA*
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	15	
Category of Qualification	**New** **MC**	UG Diploma					Theory	10	Special Remarks
Occupation	Others			2rd Year UG			Practical	5	* Email Communication sent to MeitY on 19 July 2024
Qualification Type	**Future**				4.5	1.5	Emp Skills		
Industry Validations	5				5		OJT		
Line Ministry	Awaited*						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	10,000							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- This is an awareness program for Second year students focussing on introduction to emerging technologies and its applications.
- This course has been approved by UGC and AICTE to be taken in the colleges.
- MOU signed with Govt of Orissa Higher Education Department and Andhra Pradesh State Council of Higher Education for 70,000 and 50,000 learners respectively.
- 8000 learners have already enrolled in the program.

Agenda No. 17		Name: **Digital Application Fundamentals: Responsible AI**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		3/4
NSQF/ NCrF Level		**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives		**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**7.5**	*NA*
Category of Qualification		**New** **MC**	UG Diploma					Theory	**5**	Special Remarks
Occupation		Others			2rd Year UG			Practical	**2.5**	* Email Communication sent to MeitY on 19 July 2024
Qualification Type		**Future**				4.5	1.5	Emp Skills		
Industry Validations		5				5		OJT		
Line Ministry		Awaited*						Elective 1	-	
Training Data	Conducted	Projected						Elective 2	-	
	NA	10,000								
Skilling/ Up-Skilling/ Re-Skilling		Skilling						Elective 3	-	

Any other remarks:
- This is an awareness program for Second year students focussing on introduction to emerging technologies and its applications.
- This course has been approved by UGC and AICTE to be taken in the colleges.
- MOU signed with Govt of Orissa Higher Education Department and Andhra Pradesh State Council of Higher Education for 70,000 and 50,000 learners respectively.
- 8000 learners have already enrolled in the program.

Agenda No. 17	Name: **Digital Application Fundamentals: Professional Skills**	Awarding Body Name **IT-ITeS SSC NASSCOM**					Sector **IT-ITeS**		4/4
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**7.5**	*NA*
Category of Qualification	**New** **MC**	UG Diploma					Theory	**5**	Special Remarks
Occupation	Design Thinking			2rd Year UG			Practical	**2.5**	* Email Communication sent to MeitY on 19 July 2024
Qualification Type	**Future**				4.5	1.5	Emp Skills		
Industry Validations	5				5		OJT		
Line Ministry	Awaited*						Elective 1	-	
Training Data	Conducted / Projected						Elective 2	-	
	NA / 10,000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- This is an awareness program for Second year students focussing on introduction to emerging technologies and its applications.
- This course has been approved by UGC and AICTE to be taken in the colleges.
- MOU signed with Govt of Orissa Higher Education Department and Andhra Pradesh State Council of Higher Education for 70,000 and 50,000 learners respectively.
- 8000 learners have already enrolled in the program.

Agenda No. 17	Name: **Essentials of Embedded & IoT Development**	Awarding Body Name **HCLTECH**					Sector **IT-ITES**		
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**210**	*NA*
Category of Qualification	**New NOS**	UG Diploma					Theory	**90**	Special Remarks
Occupation	Embedded & IoT			2rd Year UG			Practical	**120**	* IT/CSE/EEE/ECE
Qualification Type	**Future**				4.5	1.5	Emp Skills	**-**	Prerequisites: Concepts/ Fundamentals of IoT.
Industry Validations	NA (OEM)				5		OJT		
Line Ministry	NA (OEM)						Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	5000-7000 by 2025								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

Any other remarks:
- Embedded IoT development is a career ready program for circuit branch students.
- Helps develop competency in designing and implementing embedded systems for IoT applications
- HCLTECH is offering this as a 7 credit program, integrated with the curriculum from 2nd year onwards.
- This is aligned to the UGC curriculum of Engineering.
- Signed up MoUs with close to 100 universities to offer job ready programs.
- Additionally, similar concepts (part of the NOS submitted by HCLTech) are covered in IIoT Technician Course from DGT with 1350 Hours at NSQF Level 4 approved in phase I of 39th NSQC and Embedded Full-Stack IoT Analyst at NSQF Level 5 and 600 Notional Hours from ESSCI.

Agenda No. 17	Name: **Essentials of Embedded Development**		Awarding Body Name **HCLTECH**					Sector **IT-ITES**		2/3
NSQF/ NCrF Level	**5**		**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**		Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**210**	*NA*
Category of Qualification	**New NOS**		UG Diploma					Theory	**90**	Special Remarks
Occupation	Embedded & IoT				2rd Year UG			Practical	**120**	* IT/CSE/EEE/ECE
Qualification Type	**Future**					4.5	1.5	Emp Skills	**-**	
Industry Validations	NA (OEM)					5		OJT		
Line Ministry	NA (OEM)							Elective 1	**-**	
Training Data	Conducted	Projected						Elective 2	**-**	
	NA	5000-7000 by 2025								
Skilling/ Up-Skilling/ Re-Skilling	Skilling							Elective 3	**-**	

Any other remarks:
- Embedded Development using C/C++ is a job ready program, which is proposed for integration in the 2nd year of engineering stream circuit branches, in alignment with the UGC curriculum.
- Helps understand the principles of memory management, data structures, and efficient algorithm design tailored for resource-constrained embedded systems.
- Essentials of Embedded & IoT Development describes about IoT Integration, Communication Protocols, Design and implementation of IoT solutions, and Consideration of security, scalability, and interoperability in IoT solutions whereas Essentials of Embedded Development includes low-level hardware interactions, including interfacing with peripherals, timers, interrupts, and communication protocols such as UART, SPI, and I2C, implement real-time embedded applications and Design and optimize embedded software solutions for performance, power consumption.

Agenda No. 17	Name: **Essentials of VLSI Design**	Awarding Body Name **HCLTECH**					Sector **IT-ITES**		3/3
NSQF/ NCrF Level	**5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	210	*NA*
Category of Qualification	**New** **NOS**	UG Diploma *					Theory	**90**	Special Remarks
Occupation	Very Large Scale Integration (VLSI)			2rd Year UG			Practical	**120**	* IT/CSE/EEE/ECE
Qualification Type	**Future**				4.5	1.5	Emp Skills	-	
Industry Validations	NA (OEM)				5		OJT		
Line Ministry	NA (OEM)						Elective 1	-	
Training Data	Conducted						Elective 2	-	
	NA	Projected 5000-7000 by 2025							
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remarks:
- VLSI Design course is a job ready program proposed to be integrated in the 2nd year curriculum of a 4-year B.Tech program in circuit branches. This is aligned to the UGC specified curriculum.
- Enables learners to demonstrate a comprehensive understanding of advanced VLSI design principles, including semiconductor physics, device modeling, circuit design, and layout techniques, enabling them to develop efficient and optimized VLSI systems.
- Additionally, similar qualifications exist for Electronics Sector Skill Council of India (VLSI Design Engineer at NSQF Level 5) and NIELIT (Fundamentals of VLSI Design).

Agenda No. 17	Name: **Fundamentals of Data Visualization with Tableau**	Awarding Body Name **Additional Skill Acquisition Programme Kerala**					Sector **IT ITeS**		1/1
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	30	*NA*
Category of Qualification	**New** **MC**	UG Certificate or Equivalent*					Theory	**10**	Special Remarks
Occupation	Data Management/ Analysis			1st Year UG or Equivalent*			Practical	**20**	*CS/EC/EEE/Mech/IT/BCA BSc Statistics/ Mathematics/ Physics/ Chemistry/BCom
Qualification Type	**Future**						Emp Skills	**-**	
Industry Validations	12						OJT	**-**	
Line Ministry	Awaited						Elective 1	**-**	
Training Data	Conducted / Projected						Elective 2	**-**	
	NA / 1000								
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	**-**	

	Any other remark (wrt revision): ● This is an upskilling course focussing on dashboard preparation, data analysis, data driven decision making, and strategic insights. ● The demand was put forward by ASAP Placement division on the basis of insights derived from brainstorming discussion with industry representatives. ● Additionally, similar NOS exist for SSC NASSCOM (Data Visualisation at NSQF Level 5 and 45 hours) and HCL Tech (Data Engineering with Analytics and Visualization at NSQF Level 5 and 210 hours).

Agenda No. 17	Name: **Advanced Cardiopulmonary Life Support**	Awarding Body Name **Healthcare Sector Skill Council**					Sector **Healthcare**		1/1
NSQF/ NCrF Level	**6**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**15**	*NA*
Category of Qualification	**New Micro Credential**	Final year UG or equivalent*					Theory	**7.5**	Special Remarks
Occupation	Emergency Services			Pursuing Final year UG *			Practical	**7.5**	*MBBS/ BHMS/ BAMS/ BUMS/BDS/ Nursing/ Allied Health Professionals/ Pharmacy/Paramedic) and continuing education **Emergency Medical Technician #Healthcare Experience ## An email communication sent to Ministry of Health and Family Welfare on 3/04/2024.
Qualification Type	**General**				4**	4.5#	Emp Skills	-	
Industry Validations	8						OJT	-	
Line Ministry	Awaited##						Elective 1	-	
Training Data	Conducted / NA	Projected / 2000					Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Up-Skilling						Elective 3	-	

Any other remarks:
- To equip healthcare professionals with the necessary skills and knowledge to manage cardiac emergencies effectively and enhance patient outcomes in the critical duration between doctors attending the patient and their arrival to medical facility.
- This is a new qualification, and no such qualification is registered at NQR. Indian medical systems is currently using the program of American Heart Association due to unavailability of any Indian standardized national training program on these skills.

Agenda No.17	Name: **Introduction To Automotive Electronics**	Awarding Body Name **International Automobile Centre of Excellence**					Sector **Automotive**		1/2
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	*NA*
Category of Qualification	**New MC**	UG Certificate*					Theory	15	Special Remarks (Experience/ Trade)
Occupation	Automotive EV Technician	12th or Equivalent	-	-	-	1.5*	Practical	15	*Mechanical/ Automobile/ Electrical/ Electronics field.
Qualification Type	**Future**	10th	-	3rd year of 3-year diploma*		-	Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	NA						Elective 1	-	
Training Data	Conducted / NA	Projected / 250					Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:
- Since the launch of Electric & Hybrid Vehicle (EVHV), the dealer network is unaware of the working of EVHV and to sensitize them the Micro-Credential is proposed.
- The need of this MC also came through the Dealer network and Independent Garage Owners.

Agenda No.17	Name: **Introduction to Automotive Systems**	Awarding Body Name **International Automobile Centre of Excellence**					Sector **Automotive**		2/2
NSQF/ NCrF Level	**4.5**	**Entry Criteria Requirement Options**					**Notional Hours**	**In Hours**	**Progression Pathway as per OM**
Electives	**NA**	Academic Education Completed	LTT/ STT Skilling completed in Years	Academic/ Skilling Education Pursuing	Previous NSQF Levels Achieved	Relevant Experience in Years	**Total**	**30**	*NA*
Category of Qualification	**New MC**	UG Certificate*					Theory	15	Special Remarks
Occupation	Automotive Technician	12th or Equivalent	-	-	-	1.5*	Practical	15	*Mechanical/ Automobile/ Electrical/ Electronic field.
Qualification Type	**General**	10th	-	3rd year of 3-year diploma*		-	Emp Skills	-	
Industry Validations	5						OJT	-	
Line Ministry	NA						Elective 1	-	
Training Data	Conducted / Projected — NA / 250						Elective 2	-	
Skilling/ Up-Skilling/ Re-Skilling	Skilling						Elective 3	-	

Any other remark:

- The need of the Micro-Credential came through Manufacturers, Dealer network and Automotive Associations along with Mobility Service Providers.
- The entry level professionals have the adequate theoretical knowledge but they are unaware of the working, fault-finding and troubleshooting of the systems and sub-systems in a vehicle.
- To give them a complete overview in brief of the working of all the systems and sub-systems in an automobile the MC has been proposed.

Annexure - II

List of Qualifications/NOS/MC not being Considered

S. No.	Awarding Body	Sector	Name of the Qualification	NSQF Level	Remarks
			List of Qualifications not being Considered		
1	DWSSC	Domestic	Abacus Trainer	4	Compliance not met
2	Indian Air Force	Aerospace and Aviation	Aircraft Armourer Technician	4.5	Compliance not met
3	Indian Air Force	Aerospace and Aviation	Mechanical Transport Technician	4.5	Compliance not met
4	Indian Air Force	Aerospace and Aviation	Technician Electronic system & equipment (Aviation)	4.5	Compliance not met
5	Indian Air Force	Aerospace and Aviation	Technician Mechanical Transport/ Automobile system	4.5	Compliance not met
6	Indian Air Force	Aerospace and Aviation	Machine Shop – Technician (Aerospace)	4.5	Compliance not met
7	Indian Air Force	Aerospace and Aviation	Special Force Operator	4.5	Compliance not met
8	Indian Air Force	Aerospace and Aviation	Structure Repair Technician (Aerospace)	4.5	Compliance not met
9	Indian Air Force	Aerospace and Aviation	Medical Assistant	4.5	Compliance not met

10	Indian Air Force	Aerospace and Aviation	Music Artist	4.5	Compliance not met
11	Indian Air Force	Aerospace and Aviation	Mechanical & Automobile Technician	4.5	Compliance not met
12	Indian Air Force	Aerospace and Aviation	Meteorological Associate	4.5	Compliance not met
13	Skill Council for Green Jobs	Environmental Science	Recyclable Waste Collector & Segregator	4	Compliance not met
14	Skill Council for Green Jobs	Environmental Science	Waste Picker	2.5	Compliance not met
15	Skill Council for Green Jobs	Environmental Science	Wastewater Treatment Plant Technician	4	Compliance not met
16	Skill Council for Green Jobs	Environmental Science	Wastewater Treatment Plant Helper	3	Compliance not met
17	Agriculture Skill Council of India	Agriculture	Equine farrier	4	Withdrawn
18	Agriculture Skill Council of India	Agriculture	Horse trainer	5	Withdrawn
19	ASAP	Construction	Road Construction Engineer	4	Compliance not met
20	Skill Council for Persons with Disabilities	PWD	Assistant Dress Maker (Divyangjan)-LD	2	Compliance not met
21	Skill Council for Persons with Disabilities	PWD	Assistant Dress Maker (Divyangjan)-SHI	2	Compliance not met
22	Skill Council for Persons with Disabilities	PWD	Automotive Washer (Divyangjan)-LD	2	Compliance not met
23	Skill Council for Persons with Disabilities	PWD	Automotive Washer (Divyangjan)-SHI	2	Compliance not met
24	Skill Council for Persons with Disabilities	PWD	Automotive Washer (Divyangjan)-LV	2	Compliance not met

25	Skill Council for Persons with Disabilities	PWD	Beauty Care Assistant (Divyangjan)-LD	2	Compliance not met
26	Skill Council for Persons with Disabilities	PWD	Beauty Care Assistant (Divyangjan)-SHI	2	Compliance not met
27	Skill Council for Persons with Disabilities	PWD	Field Technician Computing And Peripherals (Divyangjan)-LD	4	Compliance not met
28	Skill Council for Persons with Disabilities	PWD	Field Technician Computing And Peripherals (Divyangjan)-SHI	4	Compliance not met
29	Skill Council for Persons with Disabilities	PWD	Assistant- Fruits and Vegetable Processing and Preservation (Divyangjan)-LD	2	Compliance not met
30	Skill Council for Persons with Disabilities	PWD	Assistant- Fruits and Vegetable Processing and Preservation (Divyangjan)-SHI	2	Compliance not met
31	Skill Council for Persons with Disabilities	PWD	Assistant- Fruits and Vegetable Processing and Preservation (Divyangjan)-LV	2	Compliance not met
32	Skill Council for Persons with Disabilities	PWD	Assistant Computer Operator (Divyangjan)-LD	3	Compliance not met
33	Skill Council for Persons with Disabilities	PWD	Assistant Computer Operator (Divyangjan)-SHI	3	Compliance not met
34	Skill Council for Persons with Disabilities	PWD	Assistant Computer Operator (Divyangjan)-LV	3	Compliance not met
35	Skill Council for Persons with Disabilities	PWD	Assistant Computer Operator (Divyangjan)-VI	3	Compliance not met

36	Skill Council for Persons with Disabilities	PWD	Hindi Typist (Divyangjan)-LV	4	Compliance not met
37	Skill Council for Persons with Disabilities	PWD	Hindi Typist (Divyangjan)-VI	4	Compliance not met
38	Skill Council for Persons with Disabilities	PWD	Field Survey Enumerator (Divyangjan)-LD	4	Compliance not met
39	Skill Council for Persons with Disabilities	PWD	Field Survey Enumerator (Divyangjan)-SHI	4	Compliance not met
40	Skill Council for Persons with Disabilities	PWD	Script Writer (Divyangjan)-LV	5	Compliance not met
41	Skill Council for Persons with Disabilities	PWD	Script Writer (Divyangjan)-VI	5	Compliance not met
42	Skill Council for Persons with Disabilities	PWD	Script Researcher (Divyangjan)-LV	4	Compliance not met
43	Skill Council for Persons with Disabilities	PWD	Script Researcher (Divyangjan)-VI	4	Compliance not met
44	Medhavi Skills University	Media and Entertainment	Digital Commerce Manager	6	Compliance not met
45	Medhavi Skills University	Media and Entertainment	Content Marketing and Communication Manager	5.5	Compliance not met
46	Gem and Jewellery Skill Council of India	Gem and Jewellery	Jewellery Designer - CAD	4	Compliance not met
47	Gem and Jewellery Skill Council of India	Gem and Jewellery	Jewellery Designer	4	Compliance not met

48	Gem and Jewellery Skill Council of India	Gem and Jewellery	Senior Jewellery Designer - CAD	5	Compliance not met
49	Gem and Jewellery Skill Council of India	Gem and Jewellery	Senior Jewellery Designer	5	Compliance not met
50	Sri Sri University	Healthcare	Junior Yoga Instructor	3	Compliance not met
51	ESSCI	Electronics	SIC- Artificial Intelligence	4.5	Compliance not met
52	Sector Skill Council for Food Processing (FICSI)	Food Processing	Productions Assistant -Pickle and paste	3	Compliance not met
53	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Scuba Diving Instructor	5	Compliance not met
54	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Snorkelling Instructor	5	Compliance not met
55	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Surfing Guide	5	Compliance not met
56	Electronics Sector Skills Council of India (ESSCI)	Electronics	Cloud Computing IT Networking Fundamentals	4	Compliance not met

List of NOSs not being Considered					
S. No.	Awarding Body	Sector	Name of the NOS	NSQF Level	Remarks

| 1 | Life Sciences Sector Skill Development Council | Life Sciences | Basics of High-Performance Liquid Chromatography (HPLC) Analysis | 5.5 | Compliance not met |

List of MCs not being Considered
S. No.	**Awarding Body**	**Sector**	**Name of the MC**	**NSQF Level**	**Remarks**
1	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Introduction to Scuba Diving	2	AB withdrew the MC to re-work
2	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Introduction to Snorkeling	2	AB withdrew the MC to re-work
3	Sports, Physical Education, Fitness and Leisure Skills Council	Sports	Introduction to Surfing	2	AB withdrew the MC to re-work

Annexure - III

List of Qualifications Withdrawn

S. No.	Awarding Body	Sector	Name of the Qualification	NSQF Level	Reason of Withdrawal
			List of Qualifications Withdrawn		
1	Agriculture Skill Council of India	Agriculture	Farm Hand	2.5	The AB plans to submit the Qualification in a subsequent NSQC with additional information.
2	Retail Association's Skill Council of India	Retail	Retail Associate cum Cashier	3	To avoid duplicity of certain NOSs with a Qualification titled "Retail Sales Executive"
3	Automotive Skills Development Council	Automotive	Automotive Detailer Assistant	2	No training numbers. AB will continue till the validity of the qualification is left. Will submit for rationalization
4	Automotive Skills Development Council	Automotive	Automotive Maintenance Assistant	2	
5	Automotive Skills Development Council	Automotive	Automotive Plastic Moulding Assistant	2	
6	Automotive Skills Development Council	Automotive	Automotive Press Shop Assistant	2	
7	Automotive Skills Development Council	Automotive	Automotive Assembly Assistant	2	
8	Automotive Skills Development Council	Automotive	Automotive Material Handling Assistant	2	
9	Automotive Skills Development Council	Automotive	Automotive Material Handling Operator	2.5	
10	Automotive Skills Development Council	Automotive	Automotive Body Painter	2.5	
11	Automotive Skills Development Council	Automotive	Bicycle Mechanic	2.5	
12	Automotive Skills Development Council	Automotive	Fleet Telematic Associate	3	
13	Automotive Skills Development Council	Automotive	Automotive Warranty Processor	3	
14	Automotive Skills Development Council	Automotive	End of Life Vehicle (ELV) Dismantler	3	
15	Automotive Skills Development Council	Automotive	Automotive Heat Treatment Jr. Technician	3	
16	Automotive Skills Development Council	Automotive	Automotive Paint Repair Jr. Technician	3	

17	Automotive Skills Development Council	Automotive	Automotive Casting Jr. Technician	3	
18	Automotive Skills Development Council	Automotive	Automotive Press Shop Jr. Technician	3	
19	Automotive Skills Development Council	Automotive	Automotive Forging Jr. Technician	3	
20	Automotive Skills Development Council	Automotive	Automotive Detailer Jr. Technician	3	
21	Automotive Skills Development Council	Automotive	Automotive Welding Machine Trainer	4.5	
22	Automotive Skills Development Council	Automotive	Automotive Sales Trainer	4.5	
23	Automotive Skills Development Council	Automotive	Automotive Tool Room Lead Technician	4.5	
24	Automotive Skills Development Council	Automotive	Automotive Maintenance Lead Technician-Electrical	4.5	
25	Automotive Skills Development Council	Automotive	Automotive Maintenance Lead Technician - Mechanical	4.5	
26	Automotive Skills Development Council	Automotive	Automotive Machining Master Technician	5	
27	Automotive Skills Development Council	Automotive	Automotive Welding Machine Lead Technician	4.5	
28	Automotive Skills Development Council	Automotive	Robotic System Integration and Planning Deputy Manager	5.5	No training numbers. AB will continue till the validity of the qualification is left. Will submit for rationalization
29	Automotive Skills Development Council	Automotive	Automotive Open System Architecture (AUTOSAR) Deputy Manager	5.5	
30	Automotive Skills Development Council	Automotive	Automotive Unified Diagnostics Deputy Manager	5.5	
31	Automotive Skills Development Council	Automotive	Automotive Robotics and Automation Simulation Deputy Manager	5.5	
32	Automotive Skills Development Council	Automotive	Automotive Smart Manufacturing Deputy Manager	5.5	
33	Automotive Skills Development Council	Automotive	Automotive Production Equipment Design Deputy Manager	5.5	
34	Automotive Skills Development Council	Automotive	Automotive Product Design Manager	6	
35	Automotive Skills Development Council	Automotive	Automotive Smart Manufacturing Manager	6	
36	Automotive Skills Development Council	Automotive	Automotive Robotics and Automation Manager	6	