

National Council for Vocational Education & Training (NCVET)

Agenda

for

28th Meeting

of

**NATIONAL SKILLS QUALIFICATION
COMMITTEE**

Date: 29th March 2023

Time: 11:30 AM

Agenda for the 28th Meeting of NSQC dated 29th March 2023

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1. AGENDA ITEM 01: CONFIRMATION OF THE MINUTES OF THE 27th MEETING OF THE NATIONAL SKILL QUALIFICATION COMMITTEE (NSQC) HELD ON 28TH FEBRUARY 2023

1.1. Minutes of the 27th Meeting of NSQC held on 28th February 2023 were circulated. No comments have been received from any stakeholders.

The Minutes are placed for confirmation by the Committee.

2. AGENDA ITEM 02: ACTION TAKEN REPORT ON THE DECISIONS TAKEN IN THE MEETINGS OF THE NSQC

2.1. Decisions taken in the 27th Meeting of NSQC

S. No	Subject Matter pertains to	Decision of NSQC	Action Taken
a.	Mapping of qualifications with NCO codes	A committee to be formulated on mapping of qualifications with NCO codes under the chairpersonship of Executive Member, NCVET to address the aforesaid issue. NSQC directed That the final Report based on the ToR to be placed for public consultation by end of March 2023	The committee for mapping of qualifications with NCO conducted two meetings on 20.2.23 on 21.3.23. respectively. The work is in advance stage of finalisation.
b.	Usage of NCVET approved certificate template for NSQF Aligned & approved qualifications by the recognized awarding bodies	The Committee advised that in absence of a provision for issue of certificates to Fee based training through SIP, the possibility of getting centralized digital portal developed through NIELET both for issuance of these certificates to learners especially under fee-based programs to mitigate the current on-going crisis of digital certification as well for on-boarding all such ABs getting recognition as an Awarding body (standard/ dual) may be explored	NSDC has now communicated that provision has been made on SIP for all recognised ABs for generation of certificates both for Govt Scheme and fee based training on NSQF aligned and approved qualifications. However, for generating certificates as per the new revised certificate templates, NSDC would be ready with the provision by 3 rd week of April 2023. NSDC has been requested to give a presentation on the same to the NCVET. Accordingly, the detailed Guideline may be issued to all

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			recognised ABs for generation of certificates through SIP.
c.	Grant of recognition as an AB to RASCI by NCVET	RASCI was advised to submit list of new/future qualification proposed to be submitted by them during their sub-committee review	The list of the new/Future qualifications has been shared by the SSC with NCVET. The same is under evaluation.
d.	Logistics Sector Skill Council	Qualification- Commercial Vehicle Driver-LMO- was conditionally approved subject to addition of one NOS on the oxygen component and its safety.	Compliance has been met.
e.	Tourism and Hospitality SSC	Activation of two archived qualification- 'Cleaner Roadside Eateries' and 'Food Server Roadside Eateries' on account of receiving training request	The two qualifications have been de-archived and activated on NQR
F	AICTE's Request	NCVET to issue a letter indicating modification of the entry criteria of all the qualifications (up to level 6) for candidates who have completed B.Tech./ B.E to include B.Tech. / B.E. 3 rd year pursuing candidates, so that the outreach of the qualification can be maximized	Compliance has been met.
g	Occupational Map	In the 26th meeting of NSQC held on 31st January 2023, the Committee was apprised that the Occupational Map(OM) Template has been revised to align with the NCrf and NCO. The revised OM was to be implemented by all ABs upon finalization	Compliance has been met. Coming up as a separate agenda

The agenda is placed for information and approval of the Committee.

3. AGENDA ITEM 03: GUIDELINES FOR NSQF ALIGNMENT AND APPROVAL OF DIPLOMA QUALIFICATIONS

- 3.1. In the 20th meeting of NSQC held on 30th June 2022 the committee had advised that a sub-committee be formulated with members from AICTE, UGC, select SSCs and other concerned bodies to come up with guidelines on alignment and approval of 'diploma qualifications' pertaining to VET and its implementation mechanism.
- 3.2. The Sub-Committee was constituted on 28th July 2022 to formulate detailed guidelines on NSQF alignment and approval of 'Diploma/ Post Diploma' qualifications pertaining to vocational education and skilling.

- 3.3. After detailed discussions and concurrence by the UGC and AICTE, the draft guidelines were shared with the stakeholders and placed for public consultation. The final version of the guidelines after incorporating all the comments received were approved by Council in its 8th meeting held on 20th March 2023 and the same will be notified.

The Agenda is placed for information of the Committee

4. AGENDA ITEM 04: SUBMISSION OF QUALIFICATIONS IN THE REVISED Q-FILE TEMPLATE AND IN BILINGUAL FORMAT

4.1. Q-File Template

- 4.1.1. In the 25th meeting of NSQC held on 17th November 2022, approved 5 qualification templates developed by NCVET in consultation with the stakeholders from the sector skill councils and awarding bodies to meet the industry and skill ecosystem requirements and facilitate adaptability to future developments like NCVET Digital Enterprise Portal.
- 4.1.2. The NSQC had approved the Q-File templates for all ABs to adopt from 1st Jan 2023 for the development and revision of the qualifications. However, the proposals are still being submitted in the previous formats.
- 4.1.3. Following are proposed in this regard:
- a) All the recognized ABs may ensure submission of qualification proposal in the new format with effect from 29th NSQC onwards scheduled in April 2023.
 - b) For all qualification submitted since 1st January onwards including those placed and approved in the 28th NSQC may be uploaded in the new format.

4.2. Q Files in Bilingual Format

- 4.2.1. All recognized ABs were communicated dated 13.3.2023 to submit their qualifications for NSQF alignment and approval by NSQC, in both English and Hindi language with effect from 15th April 2023.
- 4.2.2. Further, the State specific qualifications submitted in English must be accompanied with an undertaking/commitment that the same qualification shall be developed in their regional language as well with effect from 15th April 2023.

The agenda is placed for information and approval of NSQC.

5. AGENDA ITEM 05: REVISED OCCUPATIONAL MAP AND CAREER PROGRESSION TEMPLATE

- 5.1. In the 26th meeting of NSQC held on 31st January 2023, the Committee was apprised that the Occupational Map (OM) Template has been revised to align with the NCrf and provision has been made for alignment with the National Classification of Occupations-2015.
- 5.2. The OM Template was shared with Stakeholders and the comments for any further refinement were requested by 17th February 2023. As no comments have been received so far, the OM template has been finalized and is being placed with NSQC members for approval.
- 5.3. Accordingly, it shall be mandatory for all the recognized Awarding Bodies to submit the updated/revised OM Template while submitting their qualifications before the NSQC for NSQF alignment of their respective qualifications with effect from 15th April 2023.

The Agenda is placed for approval of the Committee.

6. AGENDA ITEM 06: 'IN-PRINCIPLE' APPROVAL OF EXISTING NSQF ALIGNED & APPROVED FUTURE SKILLS QUALIFICATIONS FOR IMPLEMENTATION UNDER PMKVY 4.0

- 6.1. Ministry of Skill Development and Entrepreneurship, MSDE, has communicated a list of 89 Future Skills qualifications through an email dated 21st March 2023. These qualifications are to be implemented under PMKVY 4.0. Scrutiny of these qualifications have been expedited.
- 6.2. It is proposed to accord 'In Principle' approval to 89 qualifications as they are already NSQF aligned and approved. These qualifications will be taken up for approval 'On File' and communicated to the MSDE/NSDC soonest possible, accordingly. The sector-wise list of is as below:

S. NO	SECTOR	TOTAL FUTURE QUALIFICATIONS SUBMITTED
1	Agriculture	1
2	Automotive	11
3	Electronics	9
4	Green Jobs	19
5	IT-ITeS	44
6	Life Sciences	2
7	Telecom	3
	Grand Total	89

The agenda is placed for information of the Committee

7. AGENDA ITEM NO 7: SUBMISSION OF QUALIFICATIONS FOR NSQF ALIGNMENT

7.1. A total of Ninety-Four (57 New and 37 Revised) qualifications, one (01) new NOS and two (02) Micro-Credentials (MCs) have been received till 31st January 2022. **Seventy-eight (78) qualifications (43 new and 35 revised)** are being considered for placing in the NSQC. Sixteen (16) qualifications, 01 NOS and 02 MCs have been returned to the submitting bodies for further compliance and resubmission.

7.2. **The details are as under: -**

- a) New QFs - 43.
- b) Revised QFs - 35.

7.3. The summary of the qualifications is at **Annexure I**. The snapshot of qualifications/NOS/MCs being considered is as below:

Sr. No	Name of the Awarding Body	Files considered for NSQC		
		New	Revised	Total
a)	NIELIT	18	0	18
b)	BECIL	1	0	1
c)	Agriculture SSC (ASCI)	0	33	33
d)	Aviation SSC (AASSC)	0	1	1
e)	Automotive SSC	2	0	2
f)	ELECTRONICS SSC (ESSCI)	1	0	1
g)	Iron and Steel SSC (IIS SSC)	3	0	3
h)	Rubber SSC (RCPSC)	12	1	13
i)	NASSCOM	1	0	1
j)	Tourism SSC (THSC)	2	0	2
k)	ASAP, Kerala	1	0	1
l)	Medhavi Skill University	2	0	2
		43	35	78

Submitted for the kind consideration and approval of the Committee.

8. AGENDA ITEM NO 8: ADDITIONAL AGENDA/ANY OTHER MATTER WITH THE PERMISSION OF THE CHAIR

Annexure I

Summary of Qualifications submitted for NSQF alignment by Awarding Bodies

**1. DGT (01 Revised Qualification),
SECTOR – Aerospace & Aviation Sector**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Junior RPA/ Drone Pilot	Pilot	Passed 10th class examination with Science and Mathematics or with vocational subject in same sector or its equivalent. Minimum age 18 years as on first day of academic session.	Total- 600 Hrs, Theory- 120, practical- 420, ES- 60	3	Drone Pilot

**2. NIELIT (18 New Qualifications)
Sector- IT-ITeS**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Internet of Things (IoT) Assistant	IoT	Grade 10th Pass Or Grade 8th Pass with two years of (NTC/ NAC) after 8th Or Grade 8 pass and pursuing continuous schooling in regular school with vocational subject Or 8th Grade pass with 2 Years of experience in IT-ITes/ Electronics Sector.	Total: 300 Theory: 90 Practical: 150 OJT: 30 ES: 30	3	Academic: Level 4 and Level 4.5 Qualification Course in the Internet of Things (IoT). Professional: Internet of Things (IoT) Assistant (L-3) -> Internet of Things (IoT) Associate (L-4)
2	Internet of Things (IoT) Associate	IoT	12th grade pass Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in CS/IT/EC/EE/ allied branches Or 10th grade pass plus 2-year NTC in IT-ITeS sector Or 10th grade pass plus 1-year NTC plus 1 year NAC in IT-ITeS sector Or 10th grade pass and pursuing	Total :450 Theory: 120 Practical: 210 OJT/Project: 60 ES: 60	4	Academic: Level 4.5 Qualification Course in the IoT Development field. Professional: IoT Associate -> IoT Developer

			continuous schooling Or Previous NSQF Level-3 with 2 Years of experience in IT-ITeS Sector *For an L-3: Internet of Things (IoT) Assistant qualified candidate, an exemption of NOS-1,2,3 (subject to assessment) shall be given in training.			
3	Internet of Things (IoT) Developer	IoT	Completed 1st year of B.Tech/ BCA/ B.Sc. Or Pursuing 1st year of B.Tech/ BCA/ B.Sc. and continuous education Or Pursuing 3rd year of 3-year diploma after 10th and continuous education Or Completed 3-year diploma after 10 Or Completed 2nd year of 2 year diploma in after 12th Or Pursuing 2nd year of 2- year diploma after 12th and continuous education Or 10th Grade pass plus 2 years of vocational education(NTC) plus 1 year of NAC in IT-ITeS. Or Previous relevant Qualification of NSQF Level 3 and with minimum education as 8th Grade pass and 3 years of experience in IT-ITeS Sector. Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass and 1.5 years of experience in IT-ITeS Sector *For an L-3: Internet of Things (IoT) Assistant qualified candidate, an exemption of NOS-1,2,3 (subject to assessment) shall be given in training. *For an L-4: Internet of Things	Total: 540 Theory: 150 Practical: 240 OJT: 90 ES: 60	4.5	Academic: Level 4.5 Qualification Course in the IoT Development field. Professional: IoT Developer

			(IoT) Associate qualified candidate, an exemption of NOS-1,2,3,4 (subject to assessment) shall be given in training.			
4	Data Analysis Assistant	Data Analyst	Grade 10th Pass Or Grade 8th Pass with two years of (NTC/ NAC) after 8th Or Grade 8 pass and pursuing continuous schooling in regular school with vocational subject Or 8th Grade pass with 2 Years of relevant experience	"Total: 300 Theory: 90 Practical: 150 OJT: 30 ES: 30"	3	Academic: Level 4 and Level 4.5 Qualification Course in the Data Analytics fields. Professional: Data Analyst Associate-> Junior Data Analyst -> Data analyst
5	Data Analysis Associate	Data Analyst	12th grade pass Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in CS/IT/EC/EE/ allied branches Or 10th grade pass plus 2-year NTC in IT-ITeS sector Or 10th grade pass plus 1-year NTC plus 1 year NAC in IT-ITeS sector Or 10th grade pass and pursuing continuous schooling Or Previous NSQF Level-3 with 1.5 Years of experience in IT-ITeS Sector *For a qualified L-3 candidate NOS-1,2,3,4,5,6 shall be exempted. For a direct candidate all NOSs are mandatory.	Total: 450 Theory: 150 Practical: 210 OJT: 30 ES: 60	4	Academic: Level 4.5 Qualification Course in the Data Analytics fields. Professional: Junior Data Analyst -> Data analyst
6	Junior Data Analyst	Data Analyst	Completed 1st year of B.Tech/ BCA/ B.Sc. Or Pursuing 1st year of B.Tech/ BCA/ B.Sc. and continuous education Or Pursuing 3rd year of 3-year diploma after 10th and continuous education Or Completed 3-year diploma after 10	Total: 540 Theory: 180 Practical: 270 OJT: 30 ES: 60	4.5	Academic: Level 5 Qualification Course in the Data Analytics fields. Professional: -> Data analyst

			<p>Or Completed 2nd year of 2 year diploma in after 12th Or Pursuing 2nd year of 2- year diploma after 12th and continuous education Or 10th Grade pass plus 2 years of vocational education(NTC) plus 1 year of NAC in IT-ITeS. Or Previous relevant Qualification of NSQF Level 3 and with minimum education as 8th Grade pass and 3 years of experience in IT-ITeS Sector. Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass and 1.5 years of experience in IT-ITeS Sector</p> <p>*For a qualified L-3 candidate NOS-1,2,3,4,5,6 shall be exempted. For a direct candidate all NOSs are mandatory. *For a qualified L-4 candidate NOS-1,2,3,4,5,6,7,8 shall be exempted. For a direct candidate all NOSs are mandatory.</p>			
7	Cyber Security Assistant	Cyber Security	<p>Grade 10th Pass Or Grade 8th Pass with two years of (NTC/ NAC) after 8th Or Grade 8 pass and pursuing continuous schooling in regular school with vocational subject Or 8th Grade pass with 2 Years of experience in IT-ITeS Sector</p>	<p>Total 300 Theory: 90 Practical: 150 OJT: 30 ES: 30</p>	3	<p>Academic: Horizontal: Level 3 Courses in Cyber Security: Certificate in IT Security Support</p> <p>Vertical: Level 4 Courses in Cyber Security: Foundation course in Information Security</p> <p>Cyber Security Professional: Junior Cyber Security Associate</p>
8	Junior Cyber Security Associate	Cyber Security	<p>12th grade pass Or Completed 2nd year of 3-year</p>	<p>Total 450 Theory: 120 Practical: 210</p>	4	<p>Academic: Horizontal: Level 4 Courses in</p>

			<p>diploma (after 10th) and pursuing regular diploma in CS/IT/EC/EE/ allied branches Or 10th grade pass plus 2-year NTC in IT-ITeS sector Or 10th grade pass plus 1-year NTC plus 1 year NAC in IT-ITeS sector Or 10th grade pass and pursuing continuous schooling Or Previous NSQF Level-3* with 2 Years of experience in IT-ITeS Sector</p> <p>*For an L-3: Cyber Security Assistant qualified candidate, an exemption of NOS-1,2 (subject to assessment) shall be given in training.</p>	<p>OJT: 60 ES: 60</p>		<p>Cyber Security: Foundation course in Information Security</p> <p>Vertical: Level 5 Courses in Cyber Security: Cyber Security and Social Media Analyst</p> <p>Cyber Security Professional: Senior Cyber Security Associate</p>
9	Cyber Security Associate	Cyber Security	<p>Completed 1st year of B.Tech/ BCA/ B.Sc. Or Pursuing 1st year of B.Tech/ BCA/ B.Sc. and continuous education Or Pursuing 3rd year of 3-year diploma after 10th and continuous education Or Completed 3-year diploma after 10 Or Completed 2nd year of 2 year diploma in after 12th Or Pursuing 2nd year of 2- year diploma after 12th and continuous education Or 10th Grade pass plus 2 years of vocational education(NTC) plus 1 year of NAC in IT-ITeS. Or Previous relevant Qualification of Level 3 and with minimum education as 8th Grade pass and 3 years of experience in IT-ITeS Sector. Or Previous relevant Qualification</p>	<p>Total 540 Theory: 150 Practical: 240 OJT: 90 ES: 60</p>	4.5	<p>Academic: Horizontal: Level 4.5 Courses in Cyber Security: None</p> <p>Vertical: Level 5 Courses in Cyber Security: Cyber Security and Social Media Analyst</p> <p>Cyber Security Professional: Cyber Security and social media analyst</p>

			<p>of NSQF Level 4 and with minimum education as 8th Grade pass and 2 years of experience in IT-ITeS Sector</p> <p>*For an L-3: Cyber Security Assistant qualified candidate, an exemption of NOS-1,2 (subject to assessment) shall be given in training.</p> <p>*For an L-4: Junior Cyber Security Associate qualified candidate, an exemption of NOS-1,2,3,4 (subject to assessment) shall be given in training.</p>			
10	Cloud Computing Assistant	Cloud Computing Professional	<p>Grade 10th Pass</p> <p>Or</p> <p>Grade 8th Pass with two years of (NTC/ NAC) after 8th</p> <p>Or</p> <p>Grade 8 pass and pursuing continuous schooling in regular school with vocational subject</p> <p>Or</p> <p>8th Grade pass with 2 Years of relevant experience</p>	<p>Total 300</p> <p>Theory: 120</p> <p>Practical: 120</p> <p>OJT/Project: 30</p> <p>ES: 30</p>	3	<p>Academic:</p> <p>Horizontal:</p> <p>Level 3 Course in Cloud Computing: None</p> <p>Vertical:</p> <p>Level 4 Courses in Cloud Computing: Certified Cloud Computing and Virtualization Expert</p> <p>Cloud Computing Professional:</p> <p>Junior Cloud Computing Associate</p>
11	Junior Cloud Computing Associate	Cloud Computing Professional	<p>12th grade pass</p> <p>Or</p> <p>Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in CS/IT/EC/EE/ allied branches</p> <p>Or</p> <p>10th grade pass plus 2-year NTC in IT-ITeS sector</p> <p>Or</p> <p>10th grade pass plus 1-year NTC plus 1 year NAC in IT-ITeS sector</p> <p>Or</p> <p>10th grade pass and pursuing continuous schooling</p> <p>Or</p> <p>Previous NSQF Level-3 with 1.5 Years of experience in IT-ITeS Sector</p>	<p>Total 450</p> <p>Theory: 120</p> <p>Practical: 210</p> <p>OJT/Project: 60</p> <p>ES: 60</p>	4	<p>Academic:</p> <p>Horizontal:</p> <p>Level 4 Courses in Cloud Computing: Certified Cloud Computing and Virtualization Expert</p> <p>Vertical:</p> <p>Level 5 Courses in Cloud Computing: Certified Cloud Computing Engineer, Cloud Administrator</p> <p>Cloud Computing Professional:</p> <p>Senior Cloud Computing Associate</p>

			*For an L-3: Cloud Computing Assistant qualified candidate, an exemption of NOS-1,2,3 (subject to assessment) shall be given in training.			
12	Cloud Computing Associate	Cloud Computing Professional	<p>Completed 1st year of B.Tech/ BCA/ B.Sc. (IT/CS/ Electronics/ allied area) Or Pursuing 1st year of B.Tech/ BCA/ B.Sc. (IT/CS/ Electronics) and continuous education Or Pursuing 3rd year of 3-year diploma (CS/IT/EC/EE/ allied branches) after 10th and continuous education Or Completed 3-year diploma after 10 Or Completed 2nd year of 2 year diploma in after 12th Or Pursuing 2nd year of 2-year diploma after 12th and continuous education Or 10th Grade pass plus 2 years of vocational education(NTC) plus 1 year of NAC in IT-ITeS. Or Previous relevant Qualification of NSQF Level 3 and with minimum education as 8th Grade pass and 3 years of experience in IT-ITeS Sector. Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass and 1.5 years of experience in IT-ITeS Sector</p> <p>*For an L-3: Cloud Computing Assistant qualified candidate, an exemption of NOS-1,2,3 (subject to assessment) shall be given in training. *For an L-4: Junior Cloud Computing Associate qualified candidate, an exemption of NOS-1,2,3,4,5,6 (subject to</p>	Total 540 Theory: 150 Practical: 240 OJT/Project: 90 ES: 60	4.5	<p>Academic: Horizontal: Level 4.5 Courses in Cloud Computing: None</p> <p>Vertical: Level 5 Courses in Cloud Computing: Certified Cloud Computing Engineer, Cloud Administrator</p> <p>Cloud Computing Professional: Cloud Computing Engineer</p>

			assessment) shall be given in training.			
13	Artificial Intelligence Assistant	Artificial Intelligence	Grade 10th Pass Or Grade 8th Pass with two years of (NTC/ NAC) after 8th Or Grade 8 pass and pursuing continuous schooling in regular school with vocational subject Or 8th Grade pass with 2 Years of relevant experience	Total: 300 Theory: 90 Practical: 150 OJT: 30 ES:30	3	Academic: Level 4 and Level 4.5 Qualification Course in the AI field. Professional: Artificial Intelligence Associate
14	Artificial Intelligence Associate	Artificial Intelligence	12th grade pass Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in CS/IT/EC/EE/ allied branches Or 10th grade pass plus 2-year NTC in IT-ITeS sector Or 10th grade pass plus 1-year NTC plus 1 year NAC in IT-ITeS sector Or 10th grade pass and pursuing continuous schooling Or Previous NSQF Level-3 with 1.5 Years of experience in the IT-ITeS Sector *For an L-3: Artificial Intelligence Assistant qualified candidate, an exemption of NOS-1,2,3,4 (subject to assessment) shall be given in training.	"Total: 450 Theory: 120 Practical: 210 OJT: 60 ES: 60"	4	Academic: Level 4 and Level 4.5 Qualification Course in the AI field. Professional: Artificial Intelligence Developer
15	Artificial Intelligence Developer	Artificial Intelligence	Completed 1st year of B.Tech/ BCA/ B.Sc. Or Pursuing 1st year of B.Tech/ BCA/ B.Sc. and continuous education Or Pursuing 3rd year of 3-year diploma after 10th and continuous education Or Completed 3-year diploma after 10 Or Completed 2nd year of 2 year	Total: 540 Theory: 150 Practical: 240 OJT: 90 ES: 60	4.5	Academic: Level 4 and Level 4.5 Qualification Course in the AI field. Professional: Machine Learning Engineer

			<p>diploma in after 12th Or Pursuing 2nd year of 2- year diploma after 12th and continuous education Or 10th Grade pass plus 2 years of vocational education(NTC) plus 1 year of NAC in IT-ITeS. Or Previous relevant Qualification of NSQF Level 3 and with minimum education as 8th Grade pass and 3 years of experience in IT-ITeS Sector. Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass and 1.5 years of experience in IT-ITeS Sector</p> <p>*For an L-3: Artificial Intelligence Assistant qualified candidate, an exemption of NOS-1,2,3,4 (subject to assessment) shall be given in training. *For an L-4: Artificial Intelligence Associate qualified candidate, an exemption of NOS-1,2,3,4,5 (subject to assessment) shall be given in training.</p>			
16	Office Automation, Accounting and Publishing Assistant	Assistant-IT/ITeS	<p>10th Class Pass Or 8th Class Pass with 2 years of NTC/NAC after class 8th Or 8th Pass and pursuing continuous schooling in regular school with vocational subject Or 8th Grade pass with 2 years of relevant experience Or NSQF Level 2 Qualified with minimum 5th Pass and 1-year relevant experience Or NSQF Level 2.5 Qualified with</p>	<p>Total: 690 Theory: 240 Practical: 360 ES: 60 OJT/Project: 30</p>	3	<p>Academic: Horizontal: Level 4 Course in DTP: Computer Applications and Business Accounting Associate IT O-Level Course Professional: Skilled Man Force in the area of Computer Application Database assistant Account Assistant Desktop Publisher</p>

			minimum 5th Pass and 6 Months of relevant experience			
17	Computer Applications and Business Accounting Associate	Associate-IT/ITeS	"12th grade pass Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in relevant field Or 10th grade pass plus 2-year NTC Or 10th grade pass plus 1-year NTC and 1-year NAC Or 10th grade pass and pursuing continuous schooling Or 10th Grade Pass with 2 years relevant experience Or Level-3* Qualified in relevant Qualification with minimum education as 8 th Grade pass and 2 years relevant experience in IT-ITeS Sector	"Total: 990 Theory: 360 Practical: 540 ES: 60 OJT/ Project: 30"	4	"Academic: Horizontal: Level 4 Course in IT: NIELIT IT-O level Vertical: Level 5 Courses in IT: NIELIT IT-A level Level 6 Courses in IT: NIELIT IT-B level Professional: Professional Progression: Account Assistant ->Admin - cum - Finance Assistant "
18	Cyber secured Web Development Associate	Assistant-IT/ITeS	"12th Grade Pass Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in relevant Or 10th grade pass plus 2-year NTC Or 10th grade pass plus 1-year NTC and 1-year NAC Or 10th grade pass and pursuing continuous schooling Or 10th Grade Pass with 2 years of relevant experience Or Level-3 Qualified in relevant Qualification with minimum education as 8 th Grade pass and 2 years relevant experience in IT-ITeS Sector Or Level-3.5 Qualified in relevant Qualification of with minimum education as 8 th Grade pass	"Total: 990 Theory: 390 Practical: 510 ES: 60 OJT/ Project: 30"	4	"Academic: Horizontal: Level 4: Course in O Level 'IT' Level 4: Foundation course in Information Security. Level 5: Cyber Security and Social Media Analyst Vertical: Level 5: Courses in A Level: Level 6: IT Application Engineer (B Level - IT) Professional: Web Developer -> Web Development Security Expert -> Web Research Scientists "

			and 1-year relevant experience in IT-ITeS Sector"			

**3. BECIL (01 New Qualifications),
Sector- Electronics**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Integrated Command Control Center Operator	Integrated Command Control Center	12th Grade Pass Or 11th Grade Pass with 1-year relevant experience Or 10th Pass with 2-year relevant experience Or 10th grade pass and pursuing continuous schooling Or 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent	Theory Hours: 165 Practical Hours: 235 OJT Hours: 80 Total Hrs.: 480 ES 30 Hours	4	Supervisor

**4. AGRICULTURE SECTOR SKILL COUNCIL (33 Revised Qualifications),
SECTOR- Agriculture**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1.	Group Farming Practitioner	Agri-Entrepreneurship & Rural Enterprises	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of	Theory Hrs: 120 Practical Hrs: 180 OJT Hours: 60 ES: 60 Total Hrs.: 480	4	Agri Service Input Dealer

			NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience			
2.	Institution Development Manager	Agri-Entrepreneurship & Rural Enterprises	Completed 3rd year of UG OR Pursuing 3rd year of UG and continuous education OR Completed 2nd year diploma after 12th OR 12th Grade Pass plus 2 years of vocational Education and Training with 1 year relevant experience OR 12th grade pass with 1 year NAC plus 1 year CITS with 1-year relevant experience OR 12th grade pass with 1 year NTC plus 1 year NAC/CITS with 1-year relevant experience OR 12th Grade pass with 1 year NTC/ NAC with 2 years relevant experience OR Completed 3-year diploma (after 10th) with 2-years relevant experience OR 12th Grade pass with 3 years relevant experience OR Previous relevant Qualification of NSQF Level 5 with 1.5 year of relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 3 years relevant experience	Theory Hours: 180 Practical Hours: 180 OJT Hours: 90 ES: 90 Total Hrs.: 480	5.5	Agri-Clinic & Agri-Business Center Manager
3.	Lac Cultivator	Agro-Forestry Management	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 year relevant	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES: 30 Total Hrs: 270	3	Cooperative Supervisor (Agro-forest produce)

			experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience			
4.	Timber Grower	Agro-Forestry Management	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience	Theory Hours: 120 Practical Hours: 180 OJT Hours: 30 ES: 60 Total Hrs.: 390	4	Cooprative Supervisor (Agro-forest produce)
5.	Vineyard Grower	Fruit Crops Cultivation	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant	Theory Hours: 120 Practical Hours: 150 OJT Hours: 60 ES: 60 Total Hrs.: 390	4	Farm Supervisor

			experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience			
6.	Vineyard Worker	Fruit Crops Cultivation	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES: 30 Total Hrs.: 270	3	Vineyard Grower
7.	Makhana Grower cum Processor	Fruit Crops Cultivation	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2	Theory Hours: 120 Practical Hours: 180 OJT Hours: 30 ES: 60 Total Hrs.: 390	4	Farm Supervisor

			years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience			
8.	Jute and Mesta Cultivator	Field Crops Cultivation (Cash Crops)	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES: 30 Total Hrs.: 270	3	Group Farming Practitioner
9.	Agri Warehouse Supervisor	Post-Harvest Supply Chain Management	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience	Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480	5	Traceability officer

			OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience			
10.	CA Store Technician	Post-Harvest Supply Chain Management	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience	Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480	5	Traceability officer
11.	Cold Storage Manager	Post-Harvest Supply Chain Management	Pursuing first year of 2-year PG program after completing 3 year UG degree OR Pursuing PG diploma after 3 year UG degree OR Completed 4 year UG (in case of 4-year UG with Honours/ Honours with research) OR Pursuing Completed 4 year UG (in case of 4-year UG with Honours/ Honours with research) OR 12th Grade Pass with 2 years of Vocational Education & Training with 2 years of relevant experience OR	Theory Hours: 180 Practical Hours: 210 OJT Hours: 90 ES 90 Total Hrs.: 570	6	

			12th Grade with 1 year NTC plus 1 year NAC/CITS with 2 years of relevant experience OR 12th grade with 1 year NAC plus CITS with 2 years of relevant experience OR 12th grade pass with 4 years of relevant experience OR Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of relevant experience OR Previous relevant Qualification of NSQF Level 5 with 3 years of relevant experience			
12.	Cold Storage Supervisor	Post-Harvest Supply Chain Management	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience	Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480	5	Traceability officer
13.	Ripening Chamber Operator	Post-Harvest Supply Chain Management	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR	Theory Hours: 120 Practical Hours: 150 OJT Hours: 60	4	CA Store Technician

			10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience	ES 60 Total Hrs.: 390		
14.	Agri Research Analyst	Commodity Management	Pursuing first year of 2-year PG program after completing 3 year UG degree OR Pursuing PG diploma after 3 year UG degree OR Completed 4 year UG (in case of 4-year UG with Honours/ Honours with research) OR Pursuing Completed 4 year UG (in case of 4-year UG with Honours/ Honours with research) OR 12th Grade Pass with 2 years of Vocational Education & Training with 2 years of relevant experience OR 12th Grade with 1 year NTC plus 1 year NAC/CITS with 2 years of relevant experience OR 12th grade with 1 year NAC plus CITS with 2 years of relevant experience OR 12th grade pass with 4 years of relevant experience OR Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of relevant experience OR	Theory Hours: 180 Practical Hours: 210 OJT Hours: 90 ES 90 Total Hrs.: 570	6	Agri Commodity Head

			Previous relevant Qualification of NSQF Level 5 with 3 years of relevant experience			
15.	Agri Commodity Quality Assayer	Commodity Management	<p>Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience</p>	<p>Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480</p>	5	Agri Commodity Procurement Manager
16.	Risk Analyst Manager- Agri Commodity	Commodity Management	<p>Pursuing first year of 2-year PG program after completing 3 year UG degree OR Pursuing PG diploma after 3 year UG degree OR Completed 4 year UG (in case of 4-year UG with Honours / Honours with research) OR Pursuing Completed 4 year UG (in case of 4-year UG with Honours/ Honours with research) OR 12th Grade Pass with 2 years of Vocational Education & Training with 2 years of relevant experience OR 12th Grade with 1 year NTC plus 1 year</p>	<p>Theory Hours: 180 Practical Hours: 210 OJT Hours: 90 ES 90 Total Hrs.: 570</p>	6	Agri Commodity Head

			<p>NAC/CITS with 2 years of relevant experience OR 12th grade with 1 year NAC plus CITS with 2 years of relevant experience OR 12th grade pass with 4 years of relevant experience OR Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of relevant experience OR Previous relevant Qualification of NSQF Level 5 with 3 years of relevant experience</p>			
17.	Agri Commodity Procurement Manager	Commodity Management	<p>Completed 3rd year of UG OR Pursuing 3rd year of UG and continuous education OR Completed 2nd year diploma after 12th OR 12th Grade Pass plus 2 years of vocational Education and Training with 1 year relevant experience OR 12th grade pass with 1 year NAC plus 1 year CITS with 1-year relevant experience OR 12th grade pass with 1 year NTC plus 1 year NAC/CITS with 1-year relevant experience OR 12th Grade pass with 1 year NTC/ NAC with 2 years relevant experience OR Completed 3-year diploma (after 10th) with 2-years relevant experience OR 12th Grade pass with 3 years relevant experience OR Previous relevant Qualification of NSQF Level 5 with 1.5 year of relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 3 years relevant experience</p>	<p>Theory Hours: 180 Practical Hours: 210 OJT Hours: 60 ES 90 Total Hrs.: 540</p>	5.5	Risk Analyst Manager- Agri Commodity
18.	Electronic Trading Supervisor-	Commodity Management	<p>Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education</p>	<p>Theory Hours: 150 Practical</p>	5	Agri Commodity Procurement Manager

	Agri Commodity		<p>OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience</p>	<p>Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480</p>		
19.	Commodity Account Manager	Commodity Management	<p>Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3</p>	<p>Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480</p>	5	Agri Commodity Procurement Manager

			year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience			
20.	Produce Mapping Surveyor	Commodity Management	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience	Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480	5	Agri Commodity Procurement Manager
21.	Agri Commodity Fumigation Operator	Commodity Management	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant	Theory Hours: 120 Practical Hours: 150 OJT Hours: 60 ES 60 Total Hrs.: 390	4	Agri Commodity Quality Assayer

			experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience			
22.	Stud Farm Worker	Equine Management	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 years relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES 30 Total Hrs.: 270	3	Equine Farrier
23.	Gardener cum Nursery Raiser	Landscaping, Gardening & Urban Farming	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2	Theory Hours: 120 Practical Hours: 180 OJT Hours: 30 ES 60 Total Hrs.: 390	4	Heritage Gardener

			years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience			
24.	Heritage Gardener	Landscaping, Gardening & Urban Farming	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) OR Completed 3 year diploma after 10th with 1 year relevant experience OR 12th Grade pass with 2 year relevant experience OR 10th Grade pass with 4 year relevant experience OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 1.5 year relevant experience	Theory Hours: 150 Practical Hours: 150 OJT Hours: 90 ES 90 Total Hrs.: 480	5	Garden/ Nursery Manager
25.	Essential Oil Extractor	Medicinal and Aromatic Plants Cultivation	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 years relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES 30 Total Hrs.: 270	3	Medicinal plants grower

			OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience			
26.	Goat/Sheep Farmer	Small Ruminants & Others	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 years relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience	Theory Hours: 90 Practical Hours: 150 ES 30 Total Hrs.: 270	3	Livestock Service Provider
27.	Piggery Farmer	Small Ruminants & Others	Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience OR 5th grade pass with 5 year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience	Theory Hours: 90 Practical Hours: 120 OJT Hours: 30 ES 30 Total Hrs.: 270	3	Livestock Service Provider
28.	Spice Crop Cultivator	Spice Crop Cultivation	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC	Theory Hours: 120 Practical Hours: 150 OJT Hours: 30 ES 60	4	Farm Supervisor

			<p>OR 10th grade pass plus 1-year NTC plus 1 year NAC</p> <p>OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS</p> <p>OR 10th grade pass and pursuing continuous schooling</p> <p>OR 10th Grade Pass with 2-year relevant experience</p> <p>OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience</p> <p>OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience</p>	<p>Elective: 30 Total Hrs.: 390</p>		
29.	Water Resource Supervisor	Watershed Management	<p>Completed 3rd year of UG</p> <p>OR Pursuing 3rd year of UG and continuous education</p> <p>OR Completed 2nd year diploma after 12th</p> <p>OR 12th Grade Pass plus 2 years of vocational Education and Training with 1 year relevant experience</p> <p>OR 12th grade pass with 1 year NAC plus 1 year CITS with 1-year relevant experience</p> <p>OR 12th grade pass with 1 year NTC plus 1year NAC/CITS with 1-year relevant experience</p> <p>OR 12th Grade pass with 1 year NTC/ NAC with 2 years relevant experience</p> <p>OR Completed 3-year diploma (after 10th) with 2-years relevant experience</p> <p>OR 12th Grade pass with 3 years relevant experience</p> <p>OR Previous relevant Qualification of NSQF Level 5 with 1.5 year of relevant experience</p> <p>OR Previous relevant Qualification of</p>	<p>Theory Hours: 180 Practical Hours: 180 OJT Hours: 60 ES 90 Elective 30 Total Hrs.: 540</p>	5.5	Water Resource Manager

			NSQF Level 4.5 with 3 years relevant experience			
30.	Water Resource Community Mobilizer	Watershed Management	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience	Theory Hours: 120 Practical Hours: 150 OJT Hours: 30 ES 60 Total Hrs.: 390	4	Water Resource Coordinator
31.	Water Resource Coordinator	Watershed Management	Completed 1st year of UG OR Pursuing 1st year of UG and continuous education OR Pursuing 3rd year of 3-year diploma after 10th and continuous education OR Completed 3-year diploma after 10 OR Completed 2nd year of 2 year diploma after 12th OR Pursuing 2nd year of 2- year diploma after 12 and continuous education OR 10th Grade pass plus 3 years of vocational education & Training OR 10th grade pass with 2 year NTC plus 1 year NAC/CITS OR 10th Grade pass with 1 year NTC plus 1 year NAC plus 1 year CITS OR	Theory Hours: 150 Practical Hours: 150 OJT Hours: 60 ES 90 Elective: 30 Total Hrs.: 480	4.5	Water Resource Supervisor

			<p>10th grade pass with 1 year NTC plus CITS with 1 year Experience required OR 8th Grade pass with 2 year NTC plus 1 year NAC plus 1 year CITS with 1 year Experience required OR Previous relevant Qualification of NSQF Level 3.5 and with minimum education as 8th Grade pass with 3-year Experience required OR Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 1.5-year Experience required</p>			
32.	Para Geo-hydrologist	Watershed Management	<p>12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 2 years relevant experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience</p>	<p>Theory Hours: 120 Practical Hours: 150 OJT Hours: 60 ES 60 Total Hrs.: 390</p>	4	Water Resource Coordinator
33.	Water Resource Assistant	Watershed Management	<p>Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 years relevant experience</p>	<p>Theory Hours: 90 Practical Hours: 120 ES 30 Elective: 30 Total Hrs.: 270</p>	3	Para Geo-hydrologist

			OR 5th grade pass with 5 year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience			
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**5. AUTOMOTIVE SECTOR SKILL COUNCIL (02 New Qualifications),
SECTOR-**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Automotive Smart Manufacturing Head	Production Engineering	B.E./B.Tech in the relevant field with 5 years of relevant experience, OR M.E./M. Tech in the relevant field with 3 years of relevant experience OR Certificate-NSQF (Automotive Smart Manufacturing Specialist Level 6.5) with 3 Years of relevant experience	Total - 750 hrs Theory- 233 Practical- 277 OJT- 240 Employability- 120 hrs	7	Chief of R&D and Engineering Level 8 (No existing qualification in Level 8)
2	Automotive Data Science Head	Production Engineering	B.E./B.Tech in the relevant field with 5 years of relevant experience, OR M.E./M. Tech in the relevant field with 3 years of relevant experience OR Certificate-NSQF (Automotive Manufacturing Data Science Specialist/ Automotive Dealership Data Science Specialist Level 6.5) with 3 Years of relevant experience	Total - 750 hrs Theory- 233 Practical- 277 OJT- 240 Employability- 120 hrs	7	Chief of R&D and Engineering Level 8 (No existing qualification in Level 8)

**6. ELECTRONICS SECTOR SKILL COUNCIL (01 New Qualification),
SECTOR-**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	- Assistant Technician- Smart Meter	Installation - S& L	10th grade pass OR 8th grade pass with 2 years of NTC OR	420 Hours (Theory - 150 Hours, Practical - 210 Hours, OJT- 60 Hours)	3	Smart Meter - Technician

			8th grade pass with 2 years of relevant Experience			

**7. IRON and STEEL SECTOR SKILL COUNCIL (03 New Qualifications),
SECTOR-**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Process Control Engineer – Electric Arc Furnace (EAF)	Steel Making	<p>Completed B.E. / B. Tech in Metallurgy / Mechanical / Chemical / Material Science OR Pursuing 4th year UG (Metallurgy / Mechanical / Chemical / Material Science) OR B. Sc with Chemistry and 1 years of experience in steel making OR Diploma in Metallurgy / Mechanical / Chemical / Material Science with 1 years of relevant experience OR 12th Grade pass with 1 year NTC + 1 year NAC/CITS with 2 years of relevant experience OR 12th grade pass with 4 years of relevant experience OR Previous relevant Qualification of NSQF Level 5 with 2 years of experience in steel making</p> <p>Minimum Job Entry age: 20 years</p>	630 (Theory- 120 Practical- 300 OJT- 120 Employability- 90 hrs)	5.5	Process Control Engineer – Electric Arc Furnace (EAF)
2	Process Control Engineer – Sponge Iron / Direct Reduction Iron (DRI)	Steel Making	<p>Completed B.E. / B. Tech in Metallurgy / Mechanical / Chemical / Material Science OR Pursuing 4th year UG (Metallurgy / Mechanical / Chemical / Material Science) OR B. Sc with Chemistry and 1 years of experience in steel making OR Diploma in Metallurgy / Mechanical / Chemical / Material Science with 1 years of relevant experience OR 12th Grade pass with 1 year NTC + 1 year NAC/CITS with 2 years of relevant experience OR 12th grade pass with 4 years of relevant</p>	630 (Theory- 120 Practical- 300 OJT- 120 Employability- 90 hrs)	5.5	Process Control Engineer – Sponge Iron / Direct Reduction Iron (DRI)

			experience OR Previous relevant Qualification of NSQF Level 5 with 2 years of experience in steel making Minimum Job Entry age: 20 years			
3	Process Control Operator – Induction Furnace	Steel Making	Pursuing 2nd year UG Degree program in relevant subject OR Completed 2nd Year of Technical Diploma (after 12th) in Metallurgy/ Material Science/Mechanical/ Electrical/ Chemical Engineering OR Completed 3 Years Technical Diploma(after 10th) in Metallurgy/ Material Science/Mechanical/ Electrical/ Chemical Engineering with 1 Year experience in relevant field OR 12th pass with 2 year Vocational Education & training (NTC or NAC or CITS) OR 12th Class Pass with 2 years' experience in relevant field OR 10th grade pass with 4 years' experience in relevant field OR Certificate-NSQF Level 4 (Welder - (GTAW) with 3 Years' experience in relevant field Minimum Job Entry age: 18 years	510 Theory = 90 Practical = 240 OJT = 90 ES=90 Total = 510	5	Process Control Operator – Induction Furnace

8. RUBBER SECTOR SKILL COUNCIL
A. 12 New Qualifications, SECTOR-

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Rubber Technician	Rubber Manufacturing	Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma in science stream Or 12th grade pass Or 10th grade pass plus 2-year NTC plus 1 year NAC Or 8th pass plus 2-year NTC plus 1-Year	Theory = 180 Practical = 240 OJT = 60 ES=60 Total = 540	4	Rubber Associate

			NAC plus CITS with 2-years of relevant experience Or Certificate NSQF (Level 3 - Junior Rubber Technician) with minimum education or 8th grade pass with 3 years of relevant experience Min age 18 years			
2	Rubber Associate	Rubber Manufacturing	Pursuing 3rd year of 3-year diploma (Science) after 10th and continuous education Or Completed 1st year of UG (Science Stream) Or Completed 2nd year of 2-year diploma after 12th Or 10th grade pass with 2-year NTC plus 1 year NAC/CITS Or Certificate NSQF (Level 4 -Rubber Technician) with minimum education 8 th Pass with 1.5 years of relevant experience Min age 18 years	Theory = 180 Practical = 240 OJT = 60 ES=60 Total = 540	4.5	Rubber Specialist
3	Rubber Specialist	Rubber Manufacturing	Completed 3 years UG (Science Stream) Or Pursuing 3rd year of UG (Science Stream) and continuous education Or 12th Grade Pass plus 2 years of vocational Education and Training with 1 year of relevant experience Or 12th Grade pass with 3 years of relevant experience Or Certificate NSQF (Level 4.5 - Rubber Associate) with 3 years of relevant experience Min age 18 years	Theory = 180 Practical = 240 OJT = 60 ES=60 Total = 540	5.5	Rubber Technologist
4	Rubber Technologist	Rubber Manufacturing	Pursuing 1st year of PG- Engineering (Science Stream) OR 2-year Diploma after 12th Grade (in any field) with 3 year of relevant experience OR 12 Grade Pass with 2 years of Vocational education and Training and 3 year of relevant experience Or Certificate NSQF (Level 5.5- Rubber Specialists) with 3 years of relevant	Theory = 180 Practical = 240 OJT = 60 ES=60 Total = 540	6.5	Officer

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			experience Min age 18 years			
5	Agarwood Chip Cutter- General Worker	Production	8th Grade pass and pursuing continuous schooling Or 5th Grade pass with 4 years relevant experience Or Ability to read and write with 4 year relevant experience Min age 18 years	Theory = 180 Practical = 240 OJT = 60 ES=60 Total = 540	2.5	Production - Natural Agarwood plantation
6	Agar Tree Artificial Inoculation Technician	Production	10th class pass Or Grade 8 with two years of (NTC/ NAC) after 8th Or 8th grade pass with 2 years of relevant experience Or 5th grade pass with 5 year relevant experience Or Certificate NSQF (Level 2.5) with 6 months of relevant experience Min age 18 years	Theory = 150 Practical = 210 OJT =30 ES=30 Total = 420	3	Field Supervisor in Natural agarwood plantation
7	Chemical Plant Assistant Operator	Manufacturing/ process	10th class pass Or Grade 8 with two years of (NTC/ NAC) after 8th Or 8th grade pass with 2 years of relevant experience Min age 18 years	Theory = 150 Practical = 210 OJT = 30 ES=60 Total = 450	3	Chemical Manufacturing Plant Operator (Level-4)
8	Analytical Instruments Operator (Chemical & Petrochemical)	Research and development	Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma Or 12th grade pass Or 10th grade pass plus 2-year NTC plus 1 year NAC Or 8th pass plus 2-year NTC plus 1-Year NAC Or Certificate NSQF (Level 3-Chemical Plant Assistant Operator/Assistant Operator Chemical Maintenance Plant) with minimum education as 8th grade pass with 3 years of relevant experience Min age 18 years	Theory = 150 Practical = 240 OJT = 60 ES=60 Total = 510	4	Analytical Instrument Engineer (Level-5)
9	Chemical Effluent Treatment Plant operator	Manufacturing/ processing	Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma Or	Theory = 210 Practical = 300 OJT = 60	4	Chemical Effluent Treatment Plant

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			12th grade pass Or 10th grade pass plus 2-year NTC plus 1 year NAC Or 8th pass plus 2-year NTC plus 1-Year NAC Or Certificate NSQF (Level 3-Chemical Plant Assistant Operator/Assistant Operator Chemical Maintenance Plant) with minimum education as 8th grade pass with 3 years of relevant experience Min age 18 years	ES=60 Total = 630		Supervisor (Level-5)
10	Chemical Storage & Handling Operator	Storage and Handling	Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma Or 12th grade pass Or 10th grade pass plus 2-year NTC plus 1 year NAC Or 8th pass plus 2-year NTC plus 1-Year NAC Or Certificate NSQF (Level 3-Chemical Plant Assistant Operator/Assistant Operator Chemical Maintenance Plant) with minimum education as 8th grade pass with 3 years of relevant experience Min age 18 years	Theory = 210 Practical = 300 OJT = 90 ES=60 Total = 660	4	Chemical Storage In-charge (Level 5)
11	Chemical Maintenance Plant Assistant Operator	Quality assurance	10th class pass Or Grade 8 with two years of (NTC/ NAC) after 8th Or 8th grade pass with 2 years of relevant experience Min age 18 years	Theory = 150 Practical = 210 OJT = 00 ES=60 Total = 420	3	Chemical Manufacturing Plant Operator (Level-4)
12	Chemical Manufacturing Plant Operator	Manufacturing/ utilities	Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma Or 12th grade pass Or 10th grade pass plus 2-year NTC plus 1 year NAC Or 8th pass plus 2-year NTC plus 1-Year NAC Or Certificate NSQF (Level 3-Chemical Plant Assistant Operator/Assistant Operator Chemical Maintenance Plant)	Theory = 150 Practical = 210 OJT = 30 ES=60 Total = 450	4	Chemical Manufacturing Plant Supervisor (Level-5)

			with minimum education as 8th grade pass with 3 years of relevant experience Min age 18 years			
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B. 01 Revised Qualification, SECTOR- Rubber

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Senior Rubber Technician	Production	Completed 4-year UG (in case of 4-year UG with honors/ honors (Science)with research) Or 12th Grade Pass with 2 years of Vocational Education & Training with 2 year relevant experience Or 12th grade pass with 4 years relevant experience Or Certificate NSQF (Level 5.5- Rubber Specialist) with 3 years of relevant experience Min age 18 years	Theory = 180 Practical = 240 OJT = 90 ES=60 Total = 570 (510 excluding ES)	6	Manager

9. NASSCOM (01 New Qualifications), SECTOR- IT-ITeS

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Embedded Software Development & Validation Engineer	Software Development	Pursuing 2nd year of UG and continuous education OR Pursuing 2nd year of 2-year diploma after 12th OR Previous relevant Qualification of NSQF Level 4 with 3 years relevant experience AND Knowledge of Programming in C and C++ or C and Java/Python Basic knowledge of IoT and DevOps is desirable	540 Hours (Th - 210 Hrs P- 210 Hrs OJT - 60 Hrs) ES-60	5	Senior Embedded Software Developer

**10. TOURISM AND HOSPITALITY SECTOR SKILL COUNCIL (02 New Qualifications),
SECTOR-**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Food Photographer & Stylist	Food Production and Kitchen	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass and pursuing continuous schooling OR 10th Grade Pass with 2-year relevant experience OR NSQF Level 3.0 (Assistant Chef) with minimum education as 8th Grade pass with 3 years relevant experience	Total- 480 Hrs, Theory- 150 Hrs Practical-270 Hrs ES-60 Hrs	4	Art Director
2	Health Chef	Food Production and Kitchen	11th Grade pass OR Completed 1st year of 3-year diploma after 10th OR 10th grade pass and pursuing continuous schooling OR 8th grade pass with two years of NTC plus 1 year NAC/CITS OR 8th Grade pass with 3 years of relevant experience OR Previous relevant Qualification of NSQF Level 3.0 (Assistant Chef) with 1.5-year relevant experience	Total- 420 Hrs Theory- 172 Hrs Practical-128 Hrs OJT-60 Hrs ES-60 Hrs	3.5	Demi Chef de Partie

**11. ASAP, KERALA (01 New Qualification),
SECTOR- IT-ITeS**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	RUST Developer	Application Maintenance Engineer/Web Developer/System programmer	12 th Pass The student must have moderate to expert level knowledge of one of the following programming languages C/C++/Python/JavaScript	Theory - 120 hours Practical - 210 hours Employability Skills - 60 hours Total - 390 hours	4	Senior RUST Developer

**12. MEDHAVI SKILLS UNIVERSITY (02 New Qualifications),
SECTOR- IT-ITeS**

S. No	Name of qualification	Occupation	Entry Requirement	Notional Hours	NSQF Level	Progression
1	Digital Content Developer	Content Developer,	12th standard pass with 1 year of working on computers Or 1-year UG certificate after 12th	Theory Hours: 160 Practical Hours: 350 Total Hrs.: 570 including ES 60 Hours	4.5	Digital Content Team Leader,
2	Digital Communication and Collaboration Associate	Communication Team Leader,	12th standard pass with 1 year of working on computers Or 1-year UG certificate after 12th	Theory Hours: 160 Practical Hours: 350 Total Hrs.: 570 including ES 60 Hours	4.5	Communication Manager,
