

QUALIFICATION FILE

Data Annotator

- ☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☐ Apprenticeship
☒ Upskilling ☐ Dual/Flexi Qualification ☐ For ToT
☐ For ToA

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

NCrF/NSQF Level: 4

Submitted By:

IT-ITeS Sector Skills Council NASSCOM (SSC NASSCOM)

Plot No. – 7, 8, 9 & 10

Sector – 126, Noida, Uttar Pradesh - 201303

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Section 1: Basic Details

1.	Qualification Name	Data Annotator							
2.	Sector/s	IT/ITeS							
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of the existing /previous qualification: QG-04-IT-01508-2023-V1.1-NASSCOM & Version 2	Qualification Name of the existing/previous version: Data Annotator						
4.	a. OEM Name b. Qualification Name (Wherever applicable)	Data Annotator							
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-04-IT-03667-2025-V2-NASSCOM & Version 3	6. NCrF/NSQF Level: 4						
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other) (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate							
8.	Brief Description of the Qualification	Individuals at this job are responsible for data annotation and being able to classify the data they are provided with. They assess the information from various sources like videos, advertisements, photographs, and other types of material and then attach tags to the content. They will need to inculcate strong work ethic, maintain a healthy working environment, and provide data and information in standard formats.							
9.	Eligibility Criteria for Entry for a Student/Trainee/Learner/Employee	Entry Qualification & Relevant Experience: *Relevant Experience: IT/Analytics/Computer Science. The relevant experience would include work, internship, and apprenticeship after completing relevant educational qualifications. <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12th Grade Pass</td> <td></td> </tr> </tbody> </table>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	12th Grade Pass	
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)							
1	12th Grade Pass								

		2	10th Grade Pass	1.5 Years of relevant experience*																		
		3	Previous Relevant qualification of NSQF level 3	3 years of relevant experience*																		
		*Relevant Experience: AI/IT/Analytics/Computer Science. The relevant experience would include work, internship, and apprenticeship after completing relevant educational qualifications. Min Age: NA																				
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	14 Credits		11. Common Cost Norm Category (I/II/III) (wherever applicable): II																		
12.	Any Licensing Requirements for Undertaking Training on This Qualification (wherever applicable)	NA																				
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	☐ Offline Only ☐ Online Only ☒ Blended																				
		<table border="1"> <thead> <tr> <th>Training Delivery Mode</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>OJT (Mandatory) Hours</th><th>OJT (Recommended) Hours</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Classroom (offline)</td><td>114</td><td>216</td><td>90</td><td>-</td><td>420</td></tr> <tr> <td>Online</td><td>114</td><td>216</td><td>90</td><td>-</td><td>420</td></tr> </tbody> </table>			Training Delivery Mode	Theory (Hours)	Practical (Hours)	OJT (Mandatory) Hours	OJT (Recommended) Hours	Total (Hours)	Classroom (offline)	114	216	90	-	420	Online	114	216	90	-	420
Training Delivery Mode	Theory (Hours)	Practical (Hours)	OJT (Mandatory) Hours	OJT (Recommended) Hours	Total (Hours)																	
Classroom (offline)	114	216	90	-	420																	
Online	114	216	90	-	420																	
		(Refer Blended Learning Annexure for details)																				
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/NIL																				
15.	Progression Path After Attaining the Qualification, wherever applicable (Please show Professional and Academic progression)	This entry should refer to one or more of the following: Professional progression: access to related qualification(s) at the next NSQF level: Data annotation engineer																				
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi																				

17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:	
18.	Is the Job Amenable to Persons with Disability	☒ Yes ☐ No If "Yes", specify the applicable type of Disability: Visual, Hearing or Speech impairment, Locomotor Disability	
19.	How will participation of women be encouraged?	The Program is gender neutral although to increase women's participation, organizations are keeping aside a few seats to encourage female candidates.	
20.	Are Greening/Environment Sustainability Aspects covered (Specify the NOS/Module which Covers it)	☒ Yes ☐ No	
21.	Is Qualification suitable to be offered in Schools/Colleges	Schools: ☒ Yes ☐ No Colleges ☒ Yes ☐ No	
22.	Name and Contact Details Submitting / Awarding Body SPOC (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	Name: Namrata Kapur Email: Standards@nasscom.in Contact No.: 0120-4990111 Website: https://nasscom.in	
23.	Final Approval Date by NSQC: 18/02/2025	24. Validity Duration: 3 Years	25. Next Review Date: 18/02/2028

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/Module level. For Further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job training **Man.**-Mandatory Training **Rec.**-Recommended **Proj.**- Project

S.No.	NOS Module Name	NOS/Module Code & Version (If Applicable)	Core/Non-Core	NCrF/NSQF Level	Credits as per NcrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Identify, tag, and label distinct elements in huge datasets	SSC/N8135 V2.0	Core	4	04	30:00	60:00	30:00	00:00	120:00	30	50	-	20	100	26%
2.	Carry out effective validation activities and tests on annotated data for better accuracy	SSC/N8136 V2.0	Core	4	05	40:00	80:00	30:00	00:00	150:00	30	50	-	20	100	26%
3.	Review, document, and report annotations created on a regular interval	SSC/N8137 V2.0	Core	4	03	20:00	40:00	30:00	00:00	90:00	30	50	-	20	100	26%
4.	Employability Skills (60 Hours)	DGT/VSQ/N0102 V1.0 NSQF Level 4	Non-Core	4	02	24:00	36:00	00:00	00:00	60:00	20	30	-	-	50	22%
Duration (in Hours)/Total Marks					14	114:00	216:00	90:00	00:00	420:00	110	180	-	60	350	100%

Elective NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.																
2.																
Duration (in Hours) / Total Marks																

Optional NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.																
2.																
Duration (in Hours) / Total Marks																

Assessment - Minimum Qualifying Percentage

Assessment -Minimum Pass Percentage – Aggregate at qualification level: 70 % (Every Trainee should score a specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Educational Qualification: Graduate (Engineering/ Technology/ Computer Science) Industry & training experience: 2 years of industry experience in AIBDA. The industry experience would include work, internship, and apprenticeships undertaken after regular graduation. Certification: "Trainer" mapped to the Qualification Pack "MEP/Q2601" Minimum accepted score is 80% aggregate
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Educational Qualification: Graduate (Engineering/ Technology/ Computer Science) Industry & training experience: 4 years of industry experience in AIBDA. The full-time experience would include work, internship, and apprenticeships undertaken after regular graduation. Certification: "Master Trainer" mapped to the Qualification Pack "MEP/Q2602" Minimum accepted score is 90% aggregate
3.	Tools and Equipment Required for the Training	☒ Yes ☐ No (If "Yes", details to be provided in Annexure)
4.	In Case of Revised Qualification, details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Educational Qualification: Graduate (Engineering/ Technology/ Computer Science) Industry & Training Experience: 2 years of industry experience in AIBDA. The full-time experience would include work, internship, and apprenticeship undertaken after regular graduation. Certification: "Assessor" mapped to the Qualification Pack "MEP/Q2701" Minimum accepted score is 80% aggregate.
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2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines), (wherever applicable)</i>	Educational Qualification: Graduate (Engineering/ Technology/ Computer Science) Industry & Training Experience: 2 years of industry experience in AIBDA. The full-time experience would include work, internship, and apprenticeship undertaken after regular graduation. Certification: "Assessor" mapped to the Qualification Pack "MEP/Q2701" Minimum accepted score is 80% aggregate.
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Educational Qualification: Graduate (Engineering/ Technology/ Computer Science) Industry & Training Experience: 4 years of industry experience in AIBDA. The full-time experience would include work, internship, and apprenticeship undertaken after regular graduation. Certification: "Lead Assessor" mapped to the Qualification Pack "MEP/Q2702" Minimum accepted score is 90% aggregate.
4.	Assessment Mode <i>(Specify the assessment mode)</i>	The assessment will consist of a blend of hands-on practical evaluations, viva-voce, and online proctored scenario-based multiple-choice questions ensuring a thorough evaluation of the individual's proficiency in learning outcomes, practical understanding, and real-world application of concepts.
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☐ Yes ☐ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

Section 5: Evidence of the Need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap study (not older than 2 years) (Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): Yes
3.	Government/Industry initiatives/requirement (Yes/No): Yes
4.	Number of industry validations provided: 21
5.	Estimated number of people to be trained and employed: Yes
6.	Evidence of Concurrence/Consultation with Line/State Departments: Yes

	If “No”, why:
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Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf/NSQF descriptors <i>(Mandatory)</i>	Evidence of Level
2.	Annexure: List of tools and equipment relevant for NOS <i>(Mandatory, except in case of online course)</i>	Tools and Equipment (lab set-up)
3.	Annexure: Detailed Assessment criteria <i>(Mandatory)</i>	Performance Criteria Details
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Assessment Strategy
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is Blended Learning)</i>	NA
6.	Annexure: Multiple Entry Exit Details <i>(Mandatory, in case qualification has multiple entry-exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	NA
8.	Supporting Document: Model Curriculum <i>(Mandatory-Public View)</i>	MC_SSCQ8120 Data annotator_V3.0
9.	Supporting Document: Career Progression <i>(Mandatory-Public View)</i>	Occupational Map -AIBDA
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	Occupational Map - AIBDA
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	Assessment Strategy
12.	Any Other document you wish to submit:	NA

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process knowledge	- Search for data sources and data sets according to a defined keyword - Identify different types of already determined data - Label the data accordingly as per the type of annotation and output required - Follow pre-defined methods to ensure accuracy of annotation models - Adhere to the defined data quality standards to secure the ground data and annotated data	The individual in this role must work in a well-structured, supervised environment where he/she needs to deliver reliable performance on repetitive tasks.	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	- Knowledge of different types of data annotations and labelling techniques/models - Handling and annotating various types of big data sets in the forms of text, audio, video, images, etc. - Knowledge of organizational policies, procedures and guidelines which relate to labelling data - Different data sources, formats and how to access documents and information from data sources - Experience in handling huge volumes of data analysis	The individual in the role needs to have a basic understanding of AI/ML algorithms, data analytics, and more specifically, understand how the annotated data is leveraged to train the models and garner the required analytical outcomes.	4
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	- Search for data sources and data sets according to a defined keyword - Classify the different data elements as sentiments, semantics, intent and named entities - Label the data accordingly as per the type of annotation and output required - Apply or execute cross-checking mechanisms consistently to ensure wrongful labelling is not performed	The role demands a skillset that enables the individual to oversee day-to-day activities of sourcing, tagging, and labelling huge amounts of data. To do so, the individual needs to have high attention to detail, persistence, motivation, and ability to consistently form and apply mental models.	4
Broad Learning Outcomes/Core Skill	Identify and analyse the domain vocabulary, language, format, and category of data intended to be used	To perform his/her role effectively, the individual needs to be a good analytical thinker, have the ability to clearly explain your thought process and the sentiment behind	4

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
	- Label the data accordingly as per the type of annotation and output required - Help build data ontology to provide the model with as accurate annotated data as possible	labelling, and the motivation to meet recurrent deadlines on rolling tasks.	
Responsibility	- Obtain real-time feedback and issue tracking during annotation process - Present actionable information to the right person, and at the right time - Provide timely summarization and reporting, as per the defined templates on annotated data - Take corrective action leading to performance improvements	The role of a Data Annotator is of an individual contributor, who needs to be a self-starter capable of working independently but also as a team player contributing to the collaboration with other teams, in Data Science, Data Engineering and Analytics.	4

Annexure: Tools and Equipment (lab set-up)

Batch Size:

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	PC/Laptop with internet	-	1 Unit per Trainee
2	Annotation Software (CoLabeler, Plainsight, Label Studio)	-	Access to each system
3	Open-Source tools (CVAT, VoTT, VGG, LabelMe, DataTurks, Diffgram)	-	Access to each system
4	Dataset Management tools: MS Office Suite (Excel, Access, PowerPoint, Word, etc.), Google Apps Suite (Sheets, Docs, Slides, etc.)	-	Access to each system
5	Programming Languages (Basic): Python, R, SQL, Markdown	-	Access to each system

6	AI tools like Labalebox, Superannotate ,Prodigy, VGG image annotator.	-	Access to each system
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Annexure: Industry Validations Summary

Provide summary information of all the industry validation in table. This is not required for OEM Qualifications.

S. No	Organisation Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile
1	Infosys	Vivek Pilaniya	Program Manager	Infosys, delhi	9718423 687	vivek.pilania@infosys.com	https://www.linkedin.com/in/vivekpilania-iimc/?originalSubdomain=in
2	Openweaver	Ashok Balasubramaniam	Founder & CEO	-	9962548 366	ashok@openweaver.com	https://www.linkedin.com/in/ashok-balasubramanian/
3	World Bank	Hemalatha Kayarat Rajan	Regional Information officer	-	9791023 873	hkayaratrajan@worldbankgroup.org	https://www.linkedin.com/in/hemalatha-kayarat-rajan-6bbb2312/
4	Verizon	Sudeesh Sankaravel	Fellow Data Scientist	-	9176433 113	sudeesh.sankaravel@verizon.com	https://www.linkedin.com/in/sudeesh-sankaravel
5	Sutherland	Nausath Raja	Sr. Director-Platform Solutions Group	-	9940113 955	naushathraja.mohammed@sutherlandglobal.com	https://www.linkedin.com/in/naushath-raja-mohammed-4b7080b6/
6	Wipro	Narendra Nande	Practice Director (VLSI SW and PSV Practice) Wipro	-	9900086 708	narendra.nande@wipro.com	https://www.linkedin.com/in/narendra-nande-84402a2/

			Engineering Edge GBL				
7	IBM	Arpita Majumder	Tech Consultant	IBM DLF Park 1 New Town Kolkata West Bengal-700156	7894369 677	Arpita.majumder@ibm.com	https://www.linkedin.com/in/arpita-majumder-85612a67/
8	Intellibre n	Kailash PD	Director	Intellibren services LLP Unit 101,Oxford Towers,139 HAL OLD Airport Rd.Kodihalli Bengaluru-560008	6374700 185	kailash@intellibren.com	-
9	TCS	Vimal	Cybersecurity IAM Analyst		8760861 333	vimalvj333@gmail.com	
10	Accolite Digital	Ayushmaan Pandey	Senior Software Engineer		-	ayushmaan.pandey@accolitedigital.com	https://www.linkedin.com/in/ayushmaanpandey
11	iAccept Softwares Pvt Ltd	B Mohan Kumar	Founder		9845208 784	mohan@iaccept.in	https://in.linkedin.com/in/bmohankumar
12	Amazon	Asvin Ragav R	Data Associate		9994308 478	asvinragav16@gmail.com	
13	Forbes	Naveenkumar Janakiraman	Data Research Analyst		9976773 109	naveenkumarj4997@gmail.com	https://www.linkedin.com/in/naveenkumar-janakiraman
14	Impekable	Sreepathi.D	Lead Market Research and Business Development		9655036 999	sanjeevsree22@gmail.com	

1 5	Draup	MD Mahabub Alam	Software Architect		9731517 171	mahabubalam@draup.com	https://in.linkedin.com/in/mdmahabubalam
1 6	Kornferry	Ragul	Data analyst	-	9659964 881	ragulblooper143@gmail.com	https://www.linkedin.com/in/ragul-kumar-b2297a171/
1 7	Upgrad	Samneesh Sharma	Sr Manager-project delivery		8679334 000	shamneesh.sharma@upgrad.com	https://www.linkedin.com/in/shamneeshsharma1987/
1 8	Q Acadmey	Deepak Gour	Product and Academic Head	-	9893554 394	deepak@qacademy.ca	https://ca.linkedin.com/in/deepak-gour-8853968
1 9	Mindshare (Inclusive Minds)	Pamindar Singh	Team Lead		8713901 984	paminder.singh@themindshare.in	https://www.linkedin.com/in/paminder-singh-7990b8101/

Annexure: Training & Employment Details

Training & Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employed Opportunities	Estimated Training #	Estimated Employed Opportunities	Estimated Training #	Estimated Employed Opportunities
2023-24						
2024-25						
2025-26						

#The Estimated Data is an average for each state.

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates			Women			People with disability		
		Trained	Assessed	Certified	Trained	Assessed	Certified	Trained	Assessed	Certified

List Schemes in which the previous version of qualification was implemented :

Content availability for the previous version of qualifications:

☐ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

Language in which content is available:

Annexure: Detailed Assessment Criteria

Detailed Assessment criteria for each NOS/Module are as follows:

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
SSC/N8135: Identify, tag, and label distinct elements in huge datasets	PC1. Interact with data science and engineering teams to contribute to overall project development	3	6	-	2
	PC2. Evaluate business contexts and identify the true definition of the data being annotated for specific use cases	3	6	-	2
	PC3. Identify the primary types of already determined data, relevant to the project (text, audio, image, and video)	2	4	-	2
	PC4. Search for data sources and data sets according to a defined keyword	2	4	-	2
	PC5. Garner the pre-processed data after data cleaning and profiling from the data science team	2	3	-	2
	PC6. Identify data sensitivities (PHI, PII etc.) for masked and encrypted data	2	3	-	2
	PC7. Classify the different data elements as sentiments, semantics, intent and named entities	2	3	-	1
	PC8. Recognize relevant annotation methods based on the data types, elements, ML algorithms being used, the business case and its expected outcomes	2	3	-	1
	PC9. Identify and analyse the domain vocabulary, language, format, and category of data intended to be used	2	3	-	1
	PC10. Label the data accordingly as per the type of annotation and output required	2	3	-	1
	PC11. Ensure proper organization and formatting of the training data	2	3	-	1

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	PC12.Address uncertain cases where it may be unclear how to annotate certain elements, often requiring consultation with supervisors or reference to more comprehensive guidelines.	2	3	-	1
	PC13.Use specialized annotation tools and software to perform tagging and labeling efficiently	2	3	-	1
	PC14. Ensure accuracy in labeling by reviewing annotations and performing checks to ensure consistency	2	3	-	1
	Total Marks	30	50	-	20
SSC/N8136: Carry-out effective validation activities and tests on annotated data for better accuracy	PC1. Develop detailed documentation that outlines how to annotate various elements, including examples and edge cases.	3	5	-	2
	PC2. Define the metrics such as precision, recall, and F1-score that help evaluate the quality of the annotations.	3	5	-	2
	PC3. Randomly selecting samples of annotated data and reviewing them against the established guidelines to check for accuracy.	2	5	-	2
	PC4. Ensure that annotations are consistent across similar instances. For example, if two annotators label similar images differently, this inconsistency needs to be addressed.	2	5	-	2
	PC5. Employ and follow pre-defined methods to ensure accuracy of annotation models and techniques	2	3	-	2
	PC6. Review the annotated data and conduct periodic validations adhering to all the required standards	2	3	-	2
	PC7. Apply or execute cross-checking mechanisms to ensure wrongful labelling is not performed	2	3	-	1
	PC8. Adhere to the defined data quality standards to secure the ground data and annotated data from corruption and leakage	2	3	-	1
	PC9. Provide inputs to data engineers on tooling and processes for more efficient labelling, and to improve data quality	2	3	-	1
	PC10. Execute methods to identify misclassified content	2	3	-	1
	PC11. Suggest changes in annotation schemes if and when required	2	3	-	1
	PC12. Help create open-source datasets with the right annotation for an unbiased evaluation of annotation models	2	3	-	1
	PC13. Recommend improvements to annotation tools or workflows to enhance efficiency and accuracy	2	3	-	1
	PC14. Assist in evaluating new data annotation platforms or toolkits, ensuring they align with the project's technical requirements and annotation standards	2	3	-	1
	Total Marks	30	50	-	20
SSC/N8137:Review, document and report annotations	PC1. Maintain documentation of all solved/unsolved issues and errors	5	8	-	3
	PC2. Help build data ontology to provide the model with as accurate annotated data as possible	5	8	-	3
	PC3. Ensure the existence and maintenance of a balanced dataset to keep track and logs of data sets	5	9	-	4
	PC4. Provide the linkage between the metadata and the annotations to depict the data association	5	9	-	4

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
created on a regular interval	PC5. Obtain real-time feedback and issue tracking during annotation process	5	8	-	3
	PC6. Provide timely summarization and reporting, as per the defined templates on annotated data	5	8	-	3
	Total Marks	30	50	-	20
DGT/VSQ/N0102 Employability Skill (60 Hours)	PC1. Introduction to Employability Skills	1	1	-	-
	PC2. Constitutional values – Citizenship	1	1	-	-
	PC3. Becoming a Professional in the 21st Century	2	4	-	-
	PC4. Basic English Skills	2	3	-	-
	PC5. Career Development & Goal Setting	1	2	-	-
	PC6. Communication Skills	2	2	-	-
	PC7. Diversity & Inclusion	1	2	-	-
	PC8. Financial and Legal Literacy	2	3	-	-
	PC9. Essential Digital Skills	3	4	-	-
	PC10. Entrepreneurship	2	3	-	-
	PC11. Customer Service	1	2	-	-
	PC12. Getting Ready for Apprenticeship & Jobs	2	3	-	-
	Total Marks	20	30	-	-
Grand Total Marks		110	180	-	60

Annexure: Assessment Strategy

Batch Creation & Assessment Request:

Training Providers (TP) or Training Centers (TC), including any other authorized partner of Ministry/ Department create batches / push batches on the SIDH portal. Assessment requests are submitted through the SIDH portal or via email or other media as authorized from time to time. For NON-SIDH schemes, assessment requests are received electronically or through respective State Skill Mission portals. TP/TC initiates the assessment request through the InSDMS portal and processes the payment (where applicable).

Batch Alignment & Confirmation:

Upon payment confirmation, batches are assigned to the Assessment Agency based on factors like:

- Assessment readiness
- Availability of certified assessors for the specific job role

- Assessment capping to an assessment agency as prescribed from time to time for an AB An email communication / prescribed mode communication is sent to TP/TC for confirmation of the assessment date, with IT-ITeS SSC in the loop. Once confirmation is received, the Assessment Agency designates a TOA-certified assessor to conduct or facilitate the assessment.

- Batches are only formed when the Qualification is active.

Candidate Verification & Assessment Execution:

Candidate details are verified and documented at the beginning of the assessment by a certified assessor. A Quality Assurance (QA) mechanism is enforced, requiring an undertaking from the TC. Regular feedback is collected from TP/TC to ensure continuous improvement.

Evidence Collection & Validation:

Proctors or assessors capture date/time-stamped and geo-tagged photographs of the assessment location during the process. Attendance is also ensured offline. A PC-wise result analysis is conducted to refine assessment standards.

Monitoring & Compliance:

Batch monitoring follows established protocols, ensuring adherence to assessment guidelines. Sample based surprise visits are conducted at TC locations during both training and assessments to verify compliance. This structured approach ensures transparency, quality control, and validation throughout the assessment process.

Testing Environment:

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

Assessment Quality Assurance levels/Framework:

IT-ITeS SSC nasscom is responsible for the development and periodic review of the question bank developed for a specific job role. We publish an openly accessible sample /model question paper on our website for all stakeholders. The quality of the Question Bank created by the assessment designer is validated by a Subject matter experts on the following parameters:

- Appropriateness of the Question Bank in terms of facts, data and information.
- Checks for grammar, spellings, scripting and formatting.
- The information provided should be specific enough to remove any ambiguity in answers/solutions to the question.
- Relevance – Assessing the topic well w.r.t. the job role.
- Check if the difficulty level of each question is as per the matrix.
- Check if the images used in the question are clear and relevant.
- All variables, symbols and abbreviations used must be declared.
- The correct answer option should be unique, and the options should not be overlapping

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process is obtained when a competent body determines that an individual has achieved learning outcomes to given standards.
Qualification File	A Qualification File is a template designed to capture necessary information about a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities based on their main economic function, product, service, or technology.