

QUALIFICATION FILE – Micro Credentials

AI to Aspire

☒ Public ☐ Private

☒ 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.	Micro Credential-Qualification Name	AI to Aspire		
2.	Sector/s	IT-ITeS		
3.	National Qualification Register (NQR) Code & Version (Will be issued after NSQC approval.)	NM-04-IT-03874-2025-V1-NASSCOM	4. NCrF/NSQF Level:4	
5.	Brief Description of the Micro Credential	This micro credential includes terminologies of AI, opportunities and benefits of AI. Usage of AI in different sectors, future of AI, programming concepts, Career opportunities of AI, Ethical AI and common cyber threats in AI systems		
6.	Eligibility Criteria for Entry for Students/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience		
		S. No.	Academic/Skill Qualification (with specialization- if applicable)	Relevant Experience (with specialization- if applicable)
			Completed AI Acquire (NSQF Level 3)	
		b. Age <18 years>		
7.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	0.5	8. Common Cost Norm Category (I/II/III) (wherever applicable): II	
9.	Any Licensing Requirements/ Pre-requisites for Undertaking Training (wherever applicable)	NA		
10.	Expected Outcomes of the Micro Credential	Terminal learning outcomes are: • Introduction to AI • Opportunities and benefits of AI • AI in different sectors • Future of AI • Fundamentals of Programming • Career Opportunities with AI		

		- Ethical AI - Common cyber threats in AI systems												
11.	Training Duration by Modes of Training Delivery (<i>Specify Total Duration as per selected training delivery modes and as per requirement of the qualification</i>)	☐ Offline Only ☒ Online Only ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Mode</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Classroom (offline)</td><td></td><td></td><td></td></tr> <tr> <td>Online</td><td>10</td><td>5</td><td>15</td></tr> </tbody> </table> (Refer Blended Learning Annexure for Details)	Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)	Classroom (offline)				Online	10	5	15
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12.	Assessment Criteria	<table border="1"> <thead> <tr> <th>Theory (Marks)</th><th>Practical (Marks)</th><th>Project (Marks)</th><th>Viva (Marks)</th><th>Total (Marks)</th><th>Passing %age</th></tr> </thead> <tbody> <tr> <td>70</td><td>30</td><td></td><td></td><td>100</td><td></td></tr> </tbody> </table>	Theory (Marks)	Practical (Marks)	Project (Marks)	Viva (Marks)	Total (Marks)	Passing %age	70	30			100	
Theory (Marks)	Practical (Marks)	Project (Marks)	Viva (Marks)	Total (Marks)	Passing %age									
70	30			100										
13.	Is the Qualification Amenable to Persons with Disability	☒ Yes ☐ No If “Yes”, <i>specify applicable type of Disability:</i> Hearing or Speech impairment, Locomotor Disability												
14.	How participation of women will be encouraged?	The Program is gender neutral although to increase women’s participation, organizations are keeping aside a few seats to encourage female candidates.												
15.	Other Indian Languages in which the Micro Credential will be implemented.	Hindi												
16.	Is similar Micro Credential Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:												
17.	Name and Contact Details Submitting / Awarding Body SPOC	Name: Namrata Kapur Email: standards@nasscom.in Contact No.: 0120-4990111 Website: https://nasscom.in												
18.	NSQC Approval Date:11/04/2025	19. Validity Duration: 3 Years 20. Next Review Date: 11/04/2028												

Section 2: Training Related

1.	Trainer's Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	NA
2.	Master Trainer's Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	NA
3.	Tools and Equipment Required for Training	☒ Yes ☐ No <i>(If "Yes", details to be provided in Annexure)</i>

Section 3: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	NA
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	NA
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per requirement and NCVET guidelines)</i>	NA
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Mode: ☒ Online Only ☐ Offline Only ☐ Blended
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 4: Evidence of Need of the Micro Credential

As per the NCVET Guidelines for evidence of need, provide the required Annexure/Supporting documents.

1.	Government /Industry initiatives/ requirement (Yes/No):Yes
2.	Number of Industry validation provided: <i>NA</i>
3.	Estimated number of people to be trained: <i><Specify details in annexure></i>

Section 5: Annexure Check List

Specify Annexure Number and Name.

1.	Annexure: NCrf/NSQF level justification based on NCrf Level/NSQF descriptors <i>(Mandatory)</i>	Present	
2.	Annexure: Learning Outcomes and Assessment Criteria <i>(Mandatory)</i>	Present	
3.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Present	
4.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory – Except in case of online course)</i>	Present	
5.	Annexure: Blended Learning <i>(Mandatory in case selected mode of delivery is “Blended Learning”)</i>	NA	
6.	Annexure: Acronym and Glossary <i>(Optional)</i>	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	Understanding AI fundamentals, machine learning, deep learning, cybersecurity, ethical AI, and career prospects in AI.	Learners gain foundational knowledge of AI, Python programming, AI applications, emerging technologies, ethical considerations, and cybersecurity threats.	Level 4
Professional and Technical Skills/ Expertise/ Professional Knowledge	Ability to implement AI concepts, apply Python programming, and assess cybersecurity threats.	Learners develop practical skills in Python, AI model development, AI applications in various sectors, and cybersecurity best practices.	Level 4
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Awareness of AI-related career opportunities, job roles, and industry applications.	Learners explore AI careers, job roles, entrepreneurship opportunities, and the impact of AI in different sectors.	Level 4
Broad Learning Outcomes/Core Skill	Critical thinking, problem-solving, and ethical decision-making in AI and cybersecurity.	Learners analyze AI-driven challenges, ethical considerations, and cybersecurity risks, enhancing their decision-making skills.	Level 4
Responsibility	Applying AI and cybersecurity principles in real-world scenarios.	Learners develop a structured approach to AI-based problem-solving and cybersecurity risk management.	Level 4

Annexure: Learning Outcomes and Assessment Criteria

Detailed learning outcomes and assessment criteria for the qualification are as follows:

S. No.	Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
1.	Describes the key differences between human intelligence and artificial intelligence	5	5		
2.	Identifies major stages in the evolution of AI and explains different types and domains of AI	5			
3.	Distinguishes between AI, Machine Learning, and Data Science using basic definitions and relatable examples.	5	5		
4.	Recognizes real-world examples of AI applications in sectors like healthcare, education, and transport.	5			
5.	Describes how AI can help in making the environment more sustainable by saving resources.	5			
6.	Understanding of Basic Programming Concepts	5	10		
7.	Identify basic ethical concerns related to AI usage (like fairness, transparency, and privacy).	7.5			
8.	Describe the role of laws and policies in guiding responsible AI development.	7.5			
9.	Explain the importance of AI governance in ensuring AI systems are used safely and responsibly	5			
10.	Identify Common Cyber Threats in AI Systems	5	10		
11.	Understanding of concepts of AGI etc.	5			
12.	Understand various Career prospects in AI	5			
13.	Describe AI Applications in Real Life & Opportunities	5			
Total Marks		70	30		

Annexure: Assessment Strategy

Specify the assessment strategy and plan to evaluate the Candidate on the required competencies of the qualification.

Proctored online assessments with case study based MCQ's.

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Annexure: Tools and Equipment

List of Tools and Equipment

Batch Size:

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
	- Computers/Laptops (Basic configuration) - Projector/Interactive Display (For demonstrations) - Internet Connection		

Classroom Aids:

The aids required to conduct sessions in the classroom are:

- 1.
- 2.

Annexure: Industry Validations Summary

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)

Annexure: Training Details

Training Projections:

Year	Estimated Training # of Total Candidates	Estimated training # of Women	Estimated training # of People with Disability

Data to be provided year-wise for next 3 years.

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline: Online Ratio
1	☐ Theory/ Lectures - Imparting theoretical and conceptual knowledge	NA	
2	☐ Imparting Soft Skills, Life Skills and Employability Skills /Mentorship to Learners	NA	
3	☐ Showing Practical Demonstrations to the learners	NA	
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	NA	
5	☐ Tutorials/ Assignments/ Drill/ Practice	NA	

6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations	NA	
7	☐ On the Job Training (OJT)/ Project Work Internship	NA	

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
Qualification	A formal outcome of an assessment and validation process which 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 of 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.

