



## QUALIFICATION FILE – Micro Credentials

### AI to be Aware

☒ Public ☐ Private

☒ Upskilling ☐ Dual/Flexi Qualification ☐ For ToT ☐ For ToA

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

**NCrF/NSQF Level: 2**

**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 be Aware                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
|--------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------|-------------------------------------------------------------------|----------------------------------------------------------|--|----------------------------|--|--|--------------------------------|--|
| 2.     | Sector/s                                                                                                       | IT-ITeS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 3.     | National Qualification Register (NQR) Code & Version <i>(Will be issued after NSQC approval.)</i>              | NM-02-IT-03872-2025-V1-NASSCOM                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4. NCrF/NSQF Level:2                                                     |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 5.     | Brief Description of the Micro Credential                                                                      | Introduction to AI, its applications in daily life, and different types of AI. Covers smart assistants and hands-on activities. This also includes cybersecurity awareness.                                                                                                                                                                                                                                                                                                             |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 6.     | Eligibility Criteria for Entry for Students/Trainee/Learner/Employee                                           | <div>a. Entry Qualification &amp; Relevant Experience</div> <table><tr><th>S. No.</th><th>Academic/Skill Qualification (with specialization- if applicable)</th><th>Relevant Experience (with specialization- if applicable)</th></tr><tr><td></td><td>5<sup>th</sup> Grade Pass</td><td></td></tr><tr><td></td><td>Pursuing class 6<sup>th</sup></td><td></td></tr></table> <div>b. Age &lt;11 years&gt;</div>                                                                         |                                                                          | S. No. | Academic/Skill Qualification (with specialization- if applicable) | Relevant Experience (with specialization- if applicable) |  | 5 <sup>th</sup> Grade Pass |  |  | Pursuing class 6 <sup>th</sup> |  |
| S. No. | Academic/Skill Qualification (with specialization- if applicable)                                              | Relevant Experience (with specialization- if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
|        | 5 <sup>th</sup> Grade Pass                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
|        | Pursuing class 6 <sup>th</sup>                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 7.     | Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i> | 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8. Common Cost Norm Category (I/II/III) <i>(wherever applicable): II</i> |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 9.     | Any Licensing Requirements/ Pre-requisites for Undertaking Training <i>(wherever applicable)</i>               | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |
| 10.    | Expected Outcomes of the Micro Credential                                                                      | <b>Terminal learning outcomes are:</b> <ul style="list-style-type: none"><li>Understand the basic concept of AI and its everyday applications.</li><li>Concepts of Gen AI and its applications</li><li>Recognize smart assistants, automation, and AI-powered devices.</li><li>Introduction to Data</li><li>Understanding fairness and privacy in AI</li><li>Introduction to cybersecurity and cyber hygiene</li><li>Understanding of Intelligence and Augmented Intelligence</li></ul> |                                                                          |        |                                                                   |                                                          |  |                            |  |  |                                |  |

| 11.                    | <b>Training Duration by Modes of Training Delivery</b> ( <i>Specify Total Duration as per selected training delivery modes and as per requirement of the qualification</i> ) | <input type="checkbox"/> Offline Only <input checked="" type="checkbox"/> Online Only <input type="checkbox"/> Blended<br><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> <p>(Refer Blended Learning Annexure for Details)</p> | Training Delivery Mode | Theory (Hours)    | Practical (Hours) | Total (Hours) | Classroom (offline) |              |    |    | Online | 10 | 5   | 15 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|-------------------|---------------|---------------------|--------------|----|----|--------|----|-----|----|
| Training Delivery Mode | Theory (Hours)                                                                                                                                                               | Practical (Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Total (Hours)          |                   |                   |               |                     |              |    |    |        |    |     |    |
| Classroom (offline)    |                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| Online                 | 10                                                                                                                                                                           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15                     |                   |                   |               |                     |              |    |    |        |    |     |    |
| 12.                    | <b>Assessment Criteria</b>                                                                                                                                                   | <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.                    | <b>Is the Qualification Amenable to Persons with Disability</b>                                                                                                              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", specify applicable type of Disability:<br>Hearing or Speech impairment, Locomotor Disability                                                                                                                                                                                                                                                                                                                |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| 14.                    | <b>How participation of women will be encouraged?</b>                                                                                                                        | The Program is gender neutral although to increase women's participation, organizations are keeping aside a few seats to encourage female candidates.                                                                                                                                                                                                                                                                                                                                     |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| 15.                    | <b>Other Indian Languages in which the Micro Credential will be implemented.</b>                                                                                             | Hindi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| 16.                    | <b>Is similar Micro Credential Qualification(s) available on NQR-if yes, justification for this qualification</b>                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   URLs of similar Qualifications:                                                                                                                                                                                                                                                                                                                                                                                     |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| 17.                    | <b>Name and Contact Details Submitting / Awarding Body SPOC</b>                                                                                                              | Name: Namrata Kapur<br>Email: standards@nasscom.in<br>Contact No.: 0120-4990111<br>Website: <a href="https://nasscom.in">https://nasscom.in</a>                                                                                                                                                                                                                                                                                                                                           |                        |                   |                   |               |                     |              |    |    |        |    |     |    |
| 18.                    | <b>NSQC Approval Date:11/04/2025</b>                                                                                                                                         | 19. Validity Duration: 3 Years      20. Next Review Date: 11/04/2028                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                   |                   |               |                     |              |    |    |        |    |     |    |

## Section 2: Training Related

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

## Section 3: Assessment Related

|    |                                                                                                                                              |                                                                                                                                                                                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>Assessor's Qualification and experience in relevant sector (in years)</b> <i>(as per requirement and NCVET guidelines)</i>                | NA                                                                                                                                                                                                         |
| 2. | <b>Proctor's Qualification and experience in relevant sector (in years)</b> <i>(as per requirement and NCVET guidelines)</i>                 | NA                                                                                                                                                                                                         |
| 3. | <b>Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years)</b> <i>(as per requirement and NCVET guidelines)</i> | NA                                                                                                                                                                                                         |
| 4. | <b>Assessment Mode</b> <i>(Specify the assessment mode)</i>                                                                                  | Mode: <input checked="" type="checkbox"/> Online Only <input type="checkbox"/> Offline Only <input type="checkbox"/> Blended                                                                               |
| 5. | <b>Tools and Equipment Required for Assessment</b>                                                                                           | <input checked="" type="checkbox"/> Same as for training <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <a href="#">NA</a>                                    |
| 3. | Estimated number of people to be trained: <a href="#">&lt;Specify details in annexure&gt;</a> |

## Section 5: Annexure Check List

Specify Annexure Number and Name.

|    |                                                                                                                              |         |  |
|----|------------------------------------------------------------------------------------------------------------------------------|---------|--|
| 1. | <b>Annexure:</b> NCrf/NSQF level justification based on NCrf Level/NSQF descriptors <i>(Mandatory)</i>                       | Present |  |
| 2. | <b>Annexure:</b> Learning Outcomes and Assessment Criteria <i>(Mandatory)</i>                                                | Present |  |
| 3. | <b>Annexure:</b> Assessment Strategy <i>(Mandatory)</i>                                                                      | Present |  |
| 4. | <b>Annexure:</b> List of tools and equipment relevant for qualification <i>(Mandatory – Except in case of online course)</i> | Present |  |
| 5. | <b>Annexure:</b> Blended Learning <i>(Mandatory in case selected mode of delivery is “Blended Learning”)</i>                 | NA      |  |
| 6. | <b>Annexure:</b> 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 |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------|
| <b>Professional Theoretical Knowledge/Process</b>                                           | Basic understanding of AI concepts and applications in daily life.              |                                                                     | Level 2         |
| <b>Professional and Technical Skills/ Expertise/ Professional Knowledge</b>                 | Identification of AI tools like smart assistants, chatbots, and automation.     |                                                                     | Level 2         |
| <b>Employment Readiness &amp; Entrepreneurship Skills &amp; Mind-set/Professional Skill</b> | Awareness of AI-driven industries and applications in automation.               |                                                                     | Level 2         |
| <b>Broad Learning Outcomes/Core Skill</b>                                                   | Ability to recognize AI technologies in daily life and understand their impact. |                                                                     | Level 2         |
| <b>Responsibility</b>                                                                       | Basic awareness of responsible AI usage and its ethical implications.           |                                                                     | Level 2         |

### 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.     | Identify and explain what Artificial Intelligence (AI) and Machine Learning (ML) means                             | 5            |                 |               |            |
| 2.     | Understand evolution of AI                                                                                         | 5            |                 |               |            |
| 3.     | Identify components and types of AI                                                                                | 10           | 5               |               |            |
| 4.     | Define what data is and explain its role                                                                           | 5            | 5               |               |            |
| 5.     | Understanding of Intelligence and Augmented Intelligence                                                           | 5            |                 |               |            |
| 6.     | Usage of AI in everyday life (like voice assistants or smart apps) with real-life examples                         | 5            |                 |               |            |
| 7.     | Demonstrate understanding of AI and Gen AI concepts, prompts and everyday applications.                            | 5            | 10              |               |            |
| 8.     | Explain ethical considerations in AI including five pillars of AI ethics and how to use AI responsibly.            | 5            |                 |               |            |
| 9.     | Identify different types of digital threats, including phishing, insider threats, and risks from social media use. | 5            | 5               |               |            |
| 10.    | Describe how AI can be both helpful and harmful and explain what an AI threat means                                | 10           |                 |               |            |
| 11.    | Explain the role of a firewall in protecting computers and personal information from online attacks.               | 10           | 5               |               |            |
|        | <b>Total Marks</b>                                                                                                 | <b>70</b>    | <b>30</b>       |               |            |

## 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 |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|
|        | <ul style="list-style-type: none"> <li>Computers/Laptops (Basic configuration)</li> <li>Projector/Interactive Display (For demonstrations)</li> <li>Internet Connection</li> </ul> |               |                                   |

### 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      | <input type="checkbox"/> Theory/ Lectures - Imparting theoretical and conceptual knowledge                   | NA                                                   |                       |
| 2      | <input type="checkbox"/> Imparting Soft Skills, Life Skills and Employability Skills /Mentorship to Learners | NA                                                   |                       |
| 3      | <input type="checkbox"/> Showing Practical Demonstrations to the learners                                    | NA                                                   |                       |
| 4      | <input type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training        | NA                                                   |                       |
| 5      | <input type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice                                             | NA                                                   |                       |
| 6      | <input type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations                          | NA                                                   |                       |
| 7      | <input type="checkbox"/> 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                      |

|             |                                          |
|-------------|------------------------------------------|
| <b>NSQF</b> | National Skills Qualifications Framework |
| <b>OJT</b>  | On the Job Training                      |

## Glossary

| <b>Term</b>               | <b>Description</b>                                                                                                                                                                                                                     |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Qualification</b>      | 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                                                       |
| <b>Qualification File</b> | 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. |
| <b>Sector</b>             | A grouping of professional activities based on their main economic function, product, service or technology.                                                                                                                           |