



# Model Curriculum

**NOS Name: Generative AI for inclusive Digital Participation (Divyangjan)**

**NOS Code:**

**NOS Version: 1.0**

**NSQF Level: 3**

**Model Curriculum Version: 1.0**

**Expository:**

**Skill Council for Person with Disability || Address: 501-City  
Centre, Plot No 5, Sector -12, Dwarka, New  
Delhi-110076**

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# Training Parameters

<b>Sector</b>	Persons with Disability
<b>Sub-Sector</b>	IT-ITeS
<b>Occupation</b>	Inclusive AI-Enabled Digital Assistant
<b>Country</b>	India
<b>NSQF Level</b>	3
<b>Aligned to NCO/ISCO/ISIC Code</b>	4110.0100
<b>Minimum Educational Qualification and Experience</b>	Grade 10 <sup>th</sup> Or 8th grade pass with 3 years of relevant experience
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	
<b>Last Reviewed On</b>	TBD
<b>Next Review Date</b>	TBD
<b>NSQC Approval Date</b>	TBD
<b>QP Version</b>	1.0
<b>Model Curriculum Creation Date</b>	27.01.20226
<b>Model Curriculum Valid Up to Date</b>	TBD
<b>Model Curriculum Version</b>	1.0
<b>Minimum Duration of the Course</b>	60
<b>Maximum Duration of the Course</b>	60

# Program Overview

This section summarizes the end objectives of the program along with its duration.

## Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills.

- Explain the basic concepts of Artificial Intelligence (AI) and Generative Artificial Intelligence (Gen AI) in simple and relatable terms.
- Identify everyday applications of AI and Gen AI in personal, educational, and workplace contexts.
- Differentiate between human intelligence, Artificial Intelligence, and Generative Artificial Intelligence at a foundational level.
- Illustrate the use of AI-enabled accessibility and assistive technologies for persons with visual, hearing, locomotor, and cognitive disabilities.
- Demonstrate application of accessibility features such as speech-to-text, text-to-speech, Optical Character Recognition (OCR), image recognition, and captioning tools.
- Describe how AI and Gen AI support independence, learning, productivity, and workplace inclusion for Persons with Disabilities (PWD).
- Demonstrate application of digital and data literacy concepts required for safe and responsible use of AI and Gen AI tools.
- Explain ethical, safe, and responsible practices while using AI and Generative AI, including awareness of bias, misinformation, privacy, and intellectual property.
- Illustrate proper use of Generative AI tools for productivity, communication, collaboration, and routine workplace tasks.
- Demonstrate application of Gen AI tools for drafting content such as emails, summaries, presentations, and reports in a professional manner.
- Identify suitable job roles and career pathways where AI and Gen AI act as assistive enablers rather than replacements.
- Illustrate the use of Gen AI tools for career development activities such as résumé preparation, job search, and skill upgradation.
- Identify opportunities for self-employment, freelancing, and micro-entrepreneurship enabled through AI and Generative AI tools.
- Describe the importance of continuous learning and upskilling in AI-enabled work environments.

## Compulsory Modules

The table lists the modules, their duration and mode of delivery.

NOS and Module Details	Theory Duration (In hours)	Practical Duration (In hours)	On-the-Job Training Duration (Recommended)	On-the-Job Training Duration (Mandatory)	Total Duration (In hours)
GEN AI 4 PwD (Generative Artificial Intelligence for Divyangjan)	20:00	40:00:00	00:00	00:00	60:00:00

<b>Module 1: Introduction to Artificial Intelligence &amp; Generative AI</b>	02:00	03:00	00:00	00:00	05:00
<b>Module 2: AI for Accessibility, Assistive Technologies &amp; Inclusion</b>	03:00	04:00	00:00	00:00	07:00
<b>Module 3: Digital &amp; Data Literacy for AI &amp; Gen AI</b>	02:00	04:00	00:00	00:00	06:00
<b>Module 4: Ethical, Safe and Responsible Use of AI &amp; Gen AI</b>	02:00	04:00	00:00	00:00	06:00
<b>Module 5: Gen AI Tools for Productivity, Communication &amp; Collaboration</b>	05:00	15:00	00:00	00:00	20:00
<b>Module 6: Gen AI-enabled Career Development &amp; Employability</b>	03:00	05:00	00:00	00:00	08:00
<b>Module 7: Entrepreneurship Opportunities using Gen AI</b>	03:00	05:00	00:00	00:00	08:00
<b>Total Duration</b>	<b>20:00</b>	<b>40:00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>60:00:00</b>

# Module Details

## Module 1: Introduction to Artificial Intelligence & Generative AI

### Terminal Outcomes

After completing this module, the learner will be able to:

- Explain the basic concepts of Artificial Intelligence (AI) and Generative Artificial Intelligence (Gen AI) in simple terms.
- Identify common and everyday applications of AI and Gen AI used in personal, educational, and workplace environments.
- Differentiate between human intelligence, Artificial Intelligence, and Generative Artificial Intelligence at a foundational level.

<b>Duration: 02:00 (In Hours)</b>	<b>Duration: 03:00 (In Hours)</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Define Artificial Intelligence and Generative Artificial Intelligence using simple language and relatable examples</li> <li>• Explain the purpose and role of AI systems in automating tasks and supporting human decision-making.</li> <li>• Identify common AI-based applications used in daily life such as voice assistants, recommendation systems, and smart devices.</li> <li>• Describe the basic differences between human intelligence, Artificial Intelligence, and Generative Artificial Intelligence.</li> <li>• Explain how AI and Gen AI are used as assistive and supportive technologies rather than replacements for human work.</li> </ul>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Identify AI and Gen AI features in commonly used digital devices and applications.</li> <li>• Demonstrate basic interaction with AI-based tools such as voice assistants or Gen AI chat interfaces.</li> <li>• Classify examples of tasks performed by humans versus tasks supported by AI and Gen AI.</li> <li>• Practice recognising AI-enabled applications used in learning, communication, and workplace settings.</li> </ul>
<b>Classroom Aids</b>	
<ul style="list-style-type: none"> <li>• Whiteboard and Markers</li> <li>• Chart paper and sketch pens</li> <li>• LCD Projector and Laptop for presentations</li> </ul>	
<b>Tools, Equipment and Other Requirements</b>	
<ul style="list-style-type: none"> <li>• PCs / Laptops with internet connectivity</li> <li>• Internet with Wi-Fi (Minimum 2 Mbps Dedicated)</li> <li>• Audio system / microphone for classroom interaction</li> <li>• Accessible computer lab with assistive features such as:             <ul style="list-style-type: none"> <li>○ Screen readers / voice assistants</li> <li>○ Speech-to-text tools</li> <li>○ Keyboard accessibility features</li> <li>○ Adaptive input devices as required for PWD learners</li> </ul> </li> </ul>	

## Module 2: AI for Accessibility, Assistive Technologies & Inclusion

### Terminal Outcomes

After completing this module, the learner will be able to:

- Identify AI-based assistive technologies for different types of disabilities.
- Demonstrate use of accessibility features supported by AI-enabled tools.
- Explain the role of AI in improving independence, learning, and workplace inclusion for Persons with Disabilities.

Duration: 03:00 (In Hours)	Duration: 04:00 (In Hours)
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Identify AI-based assistive tools used for visual, hearing, locomotor, and cognitive disabilities.</li> <li>• Explain the purpose and benefits of accessibility features such as speech-to-text, text-to-speech, OCR, and image recognition.</li> <li>• Describe how AI-enabled tools support inclusion, equal opportunity, and independent functioning.</li> <li>• Explain the importance of selecting appropriate assistive technologies based on individual needs and limitations</li> </ul>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate use of AI-enabled accessibility tools such as voice typing, screen readers, captions, and OCR applications.</li> <li>• Practice selecting suitable assistive tools based on personal accessibility requirements.</li> <li>• Perform basic tasks independently using AI-supported accessibility features.</li> </ul>
<b>Classroom Aids</b>	
<ul style="list-style-type: none"> <li>• Whiteboard and Markers</li> <li>• Chart paper and sketch pens</li> <li>• LCD Projector and Laptop for demonstrations</li> <li>• Visual charts depicting assistive technologies and accessibility workflows</li> </ul>	
<b>Tools, Equipment and Other Requirements</b>	
<ul style="list-style-type: none"> <li>• PCs / Laptops with internet connectivity</li> <li>• Internet with Wi-Fi (Minimum 2 Mbps Dedicated)</li> <li>• Assistive software and tools such as:               <ul style="list-style-type: none"> <li>○ Screen readers (NVDA / TalkBack / VoiceOver)</li> <li>○ Speech-to-text and text-to-speech tools</li> <li>○ OCR and image recognition applications</li> </ul> </li> <li>• Accessibility hardware as required:               <ul style="list-style-type: none"> <li>○ Headphones, microphones</li> <li>○ Adaptive keyboards / switches</li> </ul> </li> <li>• Accessible classroom and lab infrastructure</li> </ul>	

## Module 3: Digital & Data Literacy for AI & Gen AI

### Terminal Outcomes

After completing this module, the learner will be able to:

- Operate digital devices safely to access AI and Gen AI tools.
- Explain basic data concepts related to AI usage.
- Use the internet responsibly for AI-based learning and services.

<b>Duration: 02:00 (In Hours)</b>	<b>Duration: 04:00 (In Hours)</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
The learner will be able to: <ul style="list-style-type: none"><li>• Explain basic digital device operations required for accessing AI and Gen AI platforms.</li><li>• Describe fundamental data concepts such as data input, processing, output, storage, and privacy.</li><li>• Explain responsible internet usage while accessing AI-based tools and services.</li></ul>	The learner will be able to: <ul style="list-style-type: none"><li>• Operate digital devices to access AI and Gen AI tools securely.</li><li>• Practice safe handling of personal data while using AI platforms.</li><li>• Demonstrate responsible use of internet-based AI services.</li></ul>
<b>Classroom Aids</b> <ul style="list-style-type: none"><li>• Whiteboard and Markers</li><li>• LCD Projector and Laptop for concept explanation</li><li>• Sample visuals for data flow (input–process–output)</li></ul>	
<b>Tools, Equipment and Other Requirements</b> <ul style="list-style-type: none"><li>• Computer Lab with 1:1 PC : trainee ratio</li><li>• Internet connectivity with secure browsing access</li><li>• Web browsers, email clients, and basic productivity tools</li><li>• Accessibility features enabled on devices (keyboard access, magnification, voice input)</li><li>• Antivirus and basic cybersecurity setup for safe practice</li></ul>	

## Module 4: Ethical, Safe and Responsible Use of AI & Gen AI

### Terminal Outcomes

After completing this module, the learner will be able to:

- Identify ethical risks associated with AI and Gen AI.
- Follow safe digital practices while using AI tools.
- Apply responsible practices related to privacy, consent, and intellectual property.

<b>Duration: 02:00 (In Hours)</b>	<b>Duration: 04:00 (In Hours)</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
The learner will be able to: <ul style="list-style-type: none"><li>• Recognize risks such as bias, misinformation, and over-dependence on AI systems.</li><li>• Explain safe digital practices while interacting with AI and Gen AI tools.</li><li>• Describe ethical responsibilities related to data privacy, consent, and intellectual property.</li></ul>	The learner will be able to: <ul style="list-style-type: none"><li>• Identify ethical and unsafe AI usage scenarios.</li><li>• Demonstrate safe handling of personal and sensitive data.</li></ul> Practice responsible use of AI-generated content.
<b>Classroom Aids</b>	
<ul style="list-style-type: none"><li>• Whiteboard and Markers</li><li>• Case-study handouts / slides on ethical AI usage</li><li>• LCD Projector and Laptop</li></ul>	
<b>Tools, Equipment and Other Requirements</b>	
<ul style="list-style-type: none"><li>• PCs / Laptops with internet access</li><li>• Sample AI-generated content for analysis</li><li>• Demonstration access to AI platforms (chatbots, assistants)</li><li>• Secure login-enabled systems for privacy practice</li><li>• Accessibility tools for inclusive participation</li></ul>	

## Module 5: Gen AI Tools for Productivity, Communication & Collaboration

### Terminal Outcomes

After completing this module, the learner will be able to:

- Use Generative AI tools for productivity and communication tasks.
- Apply Gen AI tools to support routine workplace activities.
- Demonstrate professional use of Gen AI for written and digital communication.

<b>Duration: 05:00 (In Hours)</b>	<b>Duration: 15:00 (In Hours)</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
The learner will be able to: <ul style="list-style-type: none"><li>• Explain the use of Gen AI tools for writing, translation, summarization, and presentations.</li><li>• Describe how Gen AI improves productivity in clerical, content, and support-related tasks.</li><li>• Explain professional usage of Gen AI tools for emails, chats, and meetings.</li></ul>	The learner will be able to: <ul style="list-style-type: none"><li>• Draft emails, summaries, and documents using Gen AI tools.</li><li>• Apply prompting techniques to improve output quality.</li><li>• Demonstrate Gen AI-assisted collaboration and communication tasks.</li></ul>
<b>Classroom Aids</b> <ul style="list-style-type: none"><li>• Whiteboard and Markers</li><li>• LCD Projector and Laptop for live demonstrations</li><li>• Sample prompts and workflow charts</li></ul>	
<b>Tools, Equipment and Other Requirements</b> <ul style="list-style-type: none"><li>• Computer Lab with internet connectivity</li><li>• Access to Gen AI tools such as:<ul style="list-style-type: none"><li>○ Chat-based AI platforms</li><li>○ AI-assisted writing and summarization tools</li></ul></li><li>• Email clients, document editors, presentation tools</li><li>• Headsets / microphones for voice interaction</li><li>• Accessibility tools (speech-to-text, screen readers, captions)</li></ul>	

## Module 6: Gen AI-enabled Career Development & Employability

### Terminal Outcomes

After completing this module, the learner will be able to:

- Identify job roles supported by Gen AI.
- Use Gen AI tools for career development activities.
- Explore learning pathways for continuous skill development.

<b>Duration: 03:00 (In Hours)</b>	<b>Duration: 05:00 (In Hours)</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Identify job roles where Gen AI supports work without replacing human roles.</li> <li>• Explain use of Gen AI tools for résumé preparation and job applications.</li> <li>• Describe Gen AI-based learning platforms and micro-credentials.</li> </ul>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Create AI-assisted résumés and job applications.</li> <li>• Use Gen AI platforms for learning and skill enhancement.</li> <li>• Identify career pathways supported by AI tools.</li> </ul>
<b>Classroom Aids</b>	
<ul style="list-style-type: none"> <li>• Whiteboard and Markers</li> <li>• LCD Projector and Laptop</li> <li>• Sample résumés, job descriptions, and career pathway charts</li> </ul>	
<b>Tools, Equipment and Other Requirements</b>	
<ul style="list-style-type: none"> <li>• PCs / Laptops with internet access</li> <li>• Gen AI tools for résumé building and job search</li> <li>• Online job portals and learning platforms</li> <li>• Accessibility-enabled document creation tools</li> <li>• Secure storage for learner-created career documents</li> </ul>	

## Module 7: Entrepreneurship Opportunities using Gen AI

### Terminal Outcomes

After completing this module, the learner will be able to:

- Identify self-employment and entrepreneurial opportunities using Gen AI.
- Apply Gen AI tools for business-related activities.
- Explain basic legal and financial aspects of AI-enabled self-employment.

Duration: 03:00 (In Hours)	Duration: 05:00 (In Hours)
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Identify freelance and small business opportunities supported by Gen AI.</li> <li>• Explain use of Gen AI tools for market research, branding, and customer engagement.</li> <li>• Describe basic legal and financial considerations for AI-enabled entrepreneurship.</li> </ul>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>• Use Gen AI tools for simple business planning and promotion.</li> <li>• Practice Gen AI-assisted customer communication tasks.</li> <li>• Explore self-employment ideas using AI tools.</li> </ul>
<b>Classroom Aids</b>	
<ul style="list-style-type: none"> <li>• Whiteboard and Markers</li> <li>• LCD Projector and Laptop</li> <li>• Case examples of AI-enabled micro-enterprises</li> </ul>	
<b>Tools, Equipment and Other Requirements</b>	
<ul style="list-style-type: none"> <li>• Computer Lab with internet connectivity</li> <li>• Gen AI tools for:               <ul style="list-style-type: none"> <li>○ Market research</li> <li>○ Branding and content creation</li> <li>○ Customer communication</li> </ul> </li> <li>• Basic productivity and financial planning tools</li> <li>• Accessibility features for inclusive business planning</li> </ul>	

# Annexure

## Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
12 <sup>th</sup> standard Pass Or Diploma OR Graduate/CITS OR Current ITI trainers OR	Computer Science / IT / AI / Data Science / Digital Technologies / Assistive Technology	2 years	AI tools, Gen AI applications, digital accessibility, IT-enabled services, or assistive technologies	1 year	AI tools, Gen AI applications, digital accessibility, IT-enabled services, or assistive technologies	Must be certified in Trainer Person with Disability (disability specific Top Up Training conducted by SCPwD) or Special Educators and knowledge of accessibility features (screen readers, captions, speech-to-text, etc.)
Certified Trainer	Qualification Pack: Trainer (VET & Skills) (MEP/Q2601)	2 years		2 years		

## Master Trainer Requirements

Master Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS OR Post-Graduate	Computer Science / IT / AI / Data Science / Digital Technologies / Assistive Technology	5 years	AI tools, Gen AI applications, digital accessibility, IT-enabled services, or assistive technologies	3 years	AI tools, Gen AI applications, digital accessibility, IT-enabled services, or assistive technologies	Must be certified in Trainer Person with Disability (disability specific Top Up Training conducted by SCPwD) or Special Educators and knowledge of accessibility features (screen readers, captions, speech-to-text, etc.)

## Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate with Computer Science / IT / AI / Digital Technologies, and specialization in AI / Gen AI tools, digital productivity, IT or AI-enabled services						must be certified in Trainer Person with Disability (disability specific Top Up Training conducted by SCPwD) or Special Educators and knowledge of accessibility features (screen readers, captions, speech-to-text, etc.)

## Assessment Strategy

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS. examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each.
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on these criteria.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% aggregate in QP. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

## References

## Glossary

Term	Description
<b>National Occupational Standards (NOS)</b>	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.
<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 on the basis of their main economic function, product, service or technology.



## Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards