

COMPETENCY STANDARDS

ARTIFICIAL INTELLIGENCE (AI) PROMPTING FOR AUTOMATION LEVEL III



INFORMATION AND COMMUNICATIONS TECHNOLOGY SECTOR

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY
East Service Road, South Luzon Expressway (SLEX), Taguig City, Metro Manila

Technical Education and Skills Development Act of 1994
(Republic Act No. 7796)

Section 22, “Establishment and Administration of the National Trade Skills Standards” of the RA 7796 known as the TESDA Act mandates TESDA to establish national occupational skills standards. The Authority shall develop and implement a certification and accreditation program in which private industry group and trade associations are accredited to conduct approved trade tests, and the local government units to promote such trade testing activities in their respective areas in accordance with the guidelines to be set by the Authority.

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The Competency Standards (CS) serve as basis for the:

- 1 Registration and delivery of training programs;
- 2 Development of curriculum and assessment instruments; and
- 3 Micro-credential programs

Each CS has two sections:

Section 1 **Definition of Qualification** describes the qualification and defines the competencies that comprise the qualification.

Section 2 **Competency Standards** gives the specifications of competencies required for effective work performance.

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COMPETENCY STANDARDS FOR ARTIFICIAL INTELLIGENCE (AI) PROMPTING FOR AUTOMATION LEVEL III

SECTION 1: DEFINITION OF QUALIFICATION

The **ARTIFICIAL INTELLIGENCE (AI) PROMPTING FOR AUTOMATION LEVEL III** Qualification consists of essential competencies that a person must achieve to effectively create prompts and implement basic automation techniques. This qualification equips users with foundational skills to interact with generative AI tools and configure simple automation workflows using no-code or low-code platforms, streamlining repetitive tasks and enhancing productivity across various applications.

The Units of Competency comprising this Qualification include the following:

UNIT CODE	BASIC COMPETENCIES
400311319	Lead workplace communication
400311320	Lead small teams
400311321	Apply critical thinking and problem-solving techniques in the workplace
400311322	Work in a diverse environment
400311323	Propose methods of applying learning and innovation in the organization
400311324	Use information systematically
400311325	Evaluate occupational safety and health work practices
400311326	Evaluate environmental work practices
400311327	Facilitate entrepreneurial skills for micro-small-medium enterprises (MSMEs)
UNIT CODE	COMMON COMPETENCIES
ICT315202	Apply quality standards
ICT311203	Perform computer operations
CS-ICT251122	Ensure compliance with data privacy and ethics
UNIT CODE	CORE COMPETENCIES
CS-ICT251107	Utilize Generative AI
CS-ICT251108	Implement basic automation techniques using Artificial Intelligence (AI) tools

A person who has achieved this Qualification is competent to be:

- AI Prompter
- AI Prompt Assistant
- AI Content Assistant
- AI Automation Specialist
- Generative AI Assistant
- Junior AI Prompt Writer
- AI Content Specialist
- AI Interaction Assistant
- AI Automation Assistant

SECTION 2: COMPETENCY STANDARDS

This section gives details of the contents of the units of competency required in **ARTIFICIAL INTELLIGENCE (AI) PROMPTING AND AUTOMATION LEVEL III**

BASIC COMPETENCIES

UNIT OF COMPETENCY : LEAD WORKPLACE COMMUNICATION

UNIT CODE : 400311319

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to lead in the dissemination and discussion of ideas, information and issues in the workplace.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Communicate information about workplace processes	1.1. Relevant communication method is selected based on workplace procedures 1.2. Multiple operations involving several topics/areas are communicated following enterprise requirements 1.3. Questioning is applied to gain extra information 1.4. Relevant sources of information are identified in accordance with workplace/ client requirements 1.5. Information is selected and organized following enterprise procedures 1.6. Verbal and written reporting	1.1 Organization requirements for written and electronic communication methods 1.2 Effective verbal communication methods 1.3 Business writing 1.4 Workplace etiquette	1.1 Organizing information 1.2 Conveying intended meaning 1.3 Participating in a variety of workplace discussions 1.4 Complying with organization requirements for the use of written and electronic communication methods 1.5 Effective business writing 1.6 Effective clarifying and probing skills 1.7 Effective questioning techniques (clarifying and probing)

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>is undertaken when required</p> <p>1.7. Communication and negotiation skills are applied and maintained in all relevant situations</p>		
2. Lead workplace discussions	<p>2.1. Response to workplace issues are sought following enterprise procedures</p> <p>2.2. Response to workplace issues are provided immediately</p> <p>2.3. Constructive contributions are made to workplace discussions on such issues as production, quality and safety</p> <p>2.4. Goals/objectives and action plans undertaken in the workplace are communicated promptly</p>	<p>2.1 Organization requirements for written and electronic communication methods</p> <p>2.2 Effective verbal communication methods</p> <p>2.3 Workplace etiquette</p>	<p>2.1 Organizing information</p> <p>2.2 Conveying intended meaning</p> <p>2.3 Participating in variety of workplace discussions</p> <p>2.4 Complying with organization requirements for the use of written and electronic communication methods</p> <p>2.5 Effective clarifying and probing skills</p>
3. Identify and communicate issues arising in the workplace	<p>3.1. Issues and problems are identified as they arise</p> <p>3.2. Information regarding problems and issues are organized coherently to ensure clear and</p>	<p>3.1. Organization requirements for written and electronic communication methods</p> <p>3.2. Effective verbal communication methods</p>	<p>3.1. Organizing information</p> <p>3.2. Conveying intended meaning</p> <p>3.3. Participating in a variety of workplace discussions</p> <p>3.4. Complying with organization requirements for</p>

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>effective communication</p> <p>3.3. Dialogue is initiated with appropriate personnel</p> <p>3.4. Communication problems and issues are raised as they arise</p> <p>3.5. Identify barriers in communication to be addressed appropriately</p>	<p>3.3. Workplace etiquette</p> <p>3.4. Communication problems and issues</p> <p>3.5. Barriers in communication</p>	<p>the use of written and electronic communication methods</p> <p>3.5. Effective clarifying and probing skills</p> <p>3.6. Identifying issues</p> <p>3.7. Negotiation and communication skills</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Methods of communication	May include but not limited to: 1.1. Non-verbal gestures 1.2. Verbal 1.3. Face-to-face 1.4. Two-way radio 1.5. Speaking to groups 1.6. Using telephone 1.7. Written 1.8. Internet
2. Workplace discussions	May include but not limited to: 2.1. Coordination meetings 2.2. Toolbox discussion 2.3. Peer-to-peer discussion

EVIDENCE GUIDE

1. Critical aspects of Competency	Assessment requires evidence that the candidate: 1.1. Dealt with a range of communication/information at one time 1.2. Demonstrated leadership skills in workplace communication 1.3. Made constructive contributions in workplace issues 1.4. Sought workplace issues effectively 1.5. Responded to workplace issues promptly 1.6. Presented information clearly and effectively written form 1.7. Used appropriate sources of information 1.8. Asked appropriate questions 1.9. Provided accurate information
2. Resource Implications	The following resources should be provided: 2.1. Variety of Information 2.2. Communication tools 2.3. Simulated workplace
3. Methods of Assessment	Competency in this unit must be assessed through 3.1. Case problem 3.2. Third-party report 3.3. Portfolio 3.4. Interview 3.5. Demonstration/Role-playing
4. Context for Assessment	4.1. Competency may be assessed in the workplace or in simulated workplace environment

UNIT OF COMPETENCY : LEAD SMALL TEAMS

UNIT CODE : 400311320

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes to lead small teams including setting, maintaining and monitoring team and individual performance standards.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Provide team leadership	1.1. Work requirements are identified and presented to team members based on company policies and procedures 1.2. Reasons for instructions and requirements are communicated to team members based on company policies and procedures 1.3. Team members' queries and concerns are recognized, discussed and dealt with based on company practices	1.1. Facilitation of Team work 1.2. Company policies and procedures relating to work performance 1.3. Performance standards and expectations 1.4. Monitoring individual's and team's performance vis a vis client's and group's expectations	1. Communication skills required for leading teams 2. Group facilitation skills 3. Negotiating skills 4. Setting performance expectation
2. Assign responsibilities	2.1. Responsibilities are allocated having regard to the skills, knowledge and aptitude required to undertake the assigned task based on company policies. 2.2. Duties are allocated having	2.1 Work plan and procedures 2.2 Work requirements and targets 2.3 Individual and group expectations and assignments 2.4 Ways to improve group	2.1 Communication skills 2.2 Management skills 2.3 Negotiating skills 2.4 Evaluation skills 2.5 Identifying team member's strengths and rooms for improvement

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	regard to individual preference, domestic and personal considerations, whenever possible	leadership and membership	
3. Set performance expectations for team members	3.1 Performance expectations are established based on client needs 3.2 Performance expectations are based on individual team members knowledge, skills and aptitude 3.3 Performance expectations are discussed and disseminated to individual team members	3.1 One's roles and responsibilities in the team 3.2 Feedback giving and receiving 3.3 Performance expectation	3.1 Communication skills 3.2 Accurate empathy 3.3 Congruence 3.4 Unconditional positive regard 3.5 Handling of Feedback
4. Supervised team performance	4.1 Performance is monitored based on defined performance criteria and/or assignment instructions 4.2 Team members are provided with feedback , positive support and advice on strategies to overcome any deficiencies based on company practices	4.1 Performance Coaching 4.2 Performance management 4.3 Performance Issues	4.1 Communication skills required for leading teams 4.2 Coaching skill

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>4.3 Performance issues which cannot be rectified or addressed within the team are referenced to appropriate personnel according to employer policy</p> <p>4.4 Team members are kept informed of any changes in the priority allocated to assignments or tasks which might impact on client/customer needs and satisfaction</p> <p>4.5 Team operations are monitored to ensure that employer/client needs and requirements are met</p> <p>4.6 Follow-up communication is provided on all issues affecting the team</p> <p>4.7 All relevant documentation is completed in accordance with company procedures</p>		

RANGE OF VARIABLES

VARIABLE	RANGE
1. Work requirements	May include but not limited to: 1.1. Client Profile 1.2. Assignment instructions
2. Team member's concerns	May include but not limited to: 2.1. Roster/shift details
3. Monitor performance	May include but not limited to: 3.1. Formal process 3.2. Informal process
4. Feedback	May include but not limited to: 4.1. Formal process 4.2. Informal process
5. Performance issues	May include but not limited to: 5.1. Work output 5.2. Work quality 5.3. Team participation 5.4. Compliance with workplace protocols 5.5. Safety 5.6. Customer service

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Maintained or improved individuals and/or team performance given a variety of possible scenario 1.2. Assessed and monitored team and individual performance against set criteria 1.3. Represented concerns of a team and individual to next level of management or appropriate specialist and to negotiate on their behalf 1.4. Allocated duties and responsibilities, having regard to individual's knowledge, skills and aptitude and the needs of the tasks to be performed 1.5. Set and communicated performance expectations for a range of tasks and duties within the team and provided feedback to team members
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1. Access to relevant workplace or appropriately simulated environment where assessment can take place 2.2. Materials relevant to the proposed activity or task
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1. Written Examination 3.2. Oral Questioning 3.3. Portfolio
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1. Competency may be assessed in actual workplace or at the designated TESDA Accredited Assessment Center

UNIT OF COMPETENCY : **APPLY CRITICAL THINKING AND PROBLEM-SOLVING TECHNIQUES IN THE WORKPLACE**

UNIT CODE : **400311321**

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to solve problems in the workplace including the application of problem solving techniques and to determine and resolve the root cause/s of specific problems in the workplace.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Examine specific workplace challenges	1.1. Variances are examined from normal operating parameters ; and product quality 1.2. Extent, cause and nature of the specific problem are defined through observation, investigation and analytical techniques 1.3. Problems are clearly stated and specified	1.1. Competence includes a thorough knowledge and understanding of the process, normal operating parameters, and product quality to recognize non-standard situations 1.2. Competence to include the ability to apply and explain, enough for the identification of fundamental causes of specific workplace challenges 1.3. Relevant equipment and operational processes 1.4. Enterprise goals, targets and measures 1.5. Enterprise quality OHS and environmental requirements	1.1. Using range of analytical techniques (e.g., planning, attention, simultaneous and successive processing of information) in examining specific challenges in the workplace 1.2. Identifying extent and causes of specific challenges in the workplace

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
		1.6. Enterprise information systems and data collation 1.7. Industry codes and standards	
2. Analyze the causes of specific workplace challenges.	2.1. Possible causes of specific problems are identified based on experience and the use of problem solving tools / analytical techniques 2.2. Possible cause statements are developed based on findings. 2.3. Fundamental causes are identified per results of investigation conducted	2.1 Competence includes a thorough knowledge and understanding of the process, normal operating parameters, and product quality to recognize non-standard situations. 2.2 Competence to include the ability to apply and explain, sufficient for the identification of fundamental cause, determining the corrective action and provision of recommendations. 2.3 Relevant equipment and operational processes. 2.4 Enterprise goals, targets and measures. 2.5 Enterprise quality OSH and environmental requirements. 2.6 Enterprise information	2.1 Using range of analytical techniques (e.g., planning, attention, simultaneous and successive processing of information) in examining specific challenges in the workplace. 2.2 Identifying extent and causes of specific challenges in the workplace. 2.3 Providing clear-cut findings on the nature of each identified workplace challenges.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
		<p>systems and data collation.</p> <p>2.7 Industry codes and standards.</p>	
<p>3. Formulate resolutions to specific workplace challenges</p>	<p>3.1. All possible options are considered for resolution of the problem</p> <p>3.2. Strengths and weaknesses of possible options are considered.</p> <p>3.3. Corrective actions are determined to resolve the problem and possible future causes</p> <p>3.4. Action plans are developed identifying measurable objectives, resource needs and timelines in accordance with safety and operating procedures</p>	<p>3.1. Competence to include the ability to apply and explain, sufficient for the identification of fundamental cause, determining the corrective action and provision of recommendations</p> <p>3.2. Relevant equipment and operational processes</p> <p>3.3. Enterprise goals, targets and measures</p> <p>3.4. Enterprise quality OSH and environmental requirement</p> <p>3.5. Principles of decision making strategies and techniques</p> <p>3.6. Enterprise information systems and data collation</p> <p>3.7. Industry codes and standards</p>	<p>3.1. Using range of analytical techniques (e.g., planning, attention, simultaneous and successive processing of information) in examining specific challenges in the workplace.</p> <p>3.2. Identifying extent and causes of specific challenges in the workplace.</p> <p>3.3. Providing clear-cut findings on the nature of each identified workplace challenges.</p> <p>3.4. Devising, communicating, implementing and evaluating strategies and techniques in addressing specific workplace challenges.</p>
<p>4. Implement action plans and</p>	<p>4.1. Action plans are implemented and evaluated</p>	<p>4.1 Competence to include the ability to apply</p>	<p>4.1 Using range of analytical techniques</p>

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
communicate results	<p>4.2. Results of plan implementation and recommendations are prepared</p> <p>4.3. Recommendations are presented to appropriate personnel</p> <p>4.4. Recommendations are followed-up, if required</p>	<p>and explain, sufficient for the identification of fundamental cause, determining the corrective action and provision of recommendations</p> <p>4.2 Relevant equipment and operational processes</p> <p>4.3 Enterprise goals, targets and measures</p> <p>4.4 Enterprise quality, OSH and environmental requirement</p> <p>4.5 Principles of decision making strategies and techniques</p> <p>4.6 Enterprise information systems and data collation</p> <p>4.7 Industry codes and standards</p>	<p>(e.g., planning, attention, simultaneous and successive processing of information) in examining specific challenges in the workplace.</p> <p>4.2 Identifying extent and causes of specific challenges in the workplace.</p> <p>4.3 Providing clear-cut findings on the nature of each identified workplace challenges.</p> <p>4.4 Devising, communicating, implementing and evaluating strategies and techniques in addressing specific workplace challenges.</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Parameters	May include but not limited to: <ul style="list-style-type: none"> 1.1 Processes 1.2 Procedures 1.3 Systems
2. Analytical techniques	May include but not limited to: <ul style="list-style-type: none"> 2.1. Brainstorming 2.2. Intuitions/Logic 2.3. Cause and effect diagrams 2.4. Pareto analysis 2.5. SWOT analysis 2.6. Gantt chart, Pert CPM and graphs 2.7. Scattergrams
3. Problem	May include but not limited to: <ul style="list-style-type: none"> 3.1. Routine, non – routine and complex workplace and quality problems 3.2. Equipment selection, availability and failure 3.3. Teamwork and work allocation problem 3.4. Safety and emergency situations and incidents 3.5. Risk assessment and management
4. Action plans	May include but not limited to: <ul style="list-style-type: none"> 4.1. Priority requirements 4.2. Measurable objectives 4.3. Resource requirements 4.4. Timelines 4.5. Co-ordination and feedback requirements 4.6. Safety requirements 4.7. Risk assessment 4.8. Environmental requirements

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <p>1.1. Examined specific workplace challenges. 1.2. Analyzed the causes of specific workplace challenges. 1.3. Formulated resolutions to specific workplace challenges. 1.4. Implemented action plans and communicated results on specific workplace challenges.</p>
<p>2. Resource Implications</p>	<p>2.1. Assessment will require access to an operating plant over an extended period of time, or a suitable method of gathering evidence of operating ability over a range of situations. A bank of scenarios / case studies / what ifs will be required as well as a bank of questions which will be used to probe the reason behind the observable action.</p>
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <p>3.1. Observation 3.2. Case Formulation 3.3. Life Narrative Inquiry 3.4. Standardized test</p> <p>The unit will be assessed in a holistic manner as is practical and may be integrated with the assessment of other relevant units of competency. Assessment will occur over a range of situations, which will include disruptions to normal, smooth operation. Simulation may be required to allow for timely assessment of parts of this unit of competency. Simulation should be based on the actual workplace and will include walk through of the relevant competency components.</p> <p>These assessment activities should include a range of problems, including new, unusual and improbable situations that may have happened.</p>
<p>4. Context for Assessment</p>	<p>4.1. In all workplace, it may be appropriate to assess this unit concurrently with relevant teamwork or operation units.</p>

UNIT OF COMPETENCY : WORK IN A DIVERSE ENVIRONMENT

UNIT CODE : 400311322

UNIT DESCRIPTOR : This unit covers the outcomes required to work effectively in a workplace characterized by diversity in terms of religions, beliefs, races, ethnicities and other differences.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Develop an individual's cultural awareness and sensitivity	1.1. Individual differences with clients, customers and fellow workers are recognized and respected in accordance with enterprise policies and core values. 1.2. Differences are responded to in a sensitive and considerate manner 1.3. Diversity is accommodated using appropriate verbal and non-verbal communication.	1.1. Understanding cultural diversity in the workplace 1.2. Norms of behavior for interacting and dialogue with specific groups (e. g., Muslims and other non-Christians, non-Catholics, tribes/ethnic groups, foreigners) 1.3. Different methods of verbal and non-verbal communication in a multicultural setting	1.1. Applying cross-cultural communication skills (i.e. different business customs, beliefs, communication strategies) 1.2. Showing affective skills – establishing rapport and empathy, understanding, etc. 1.3. Demonstrating openness and flexibility in communication 1.4. Recognizing diverse groups in the workplace and community as defined by divergent culture, religion, traditions and practices
2. Work effectively in an environment that acknowledges	2.1 Knowledge, skills and experiences of others are recognized and documented in	2.1 Value of diversity in the economy and society in terms	2.1 Demonstrating cross-cultural communication skills and active listening

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
and values cultural diversity	<p>relation to team objectives.</p> <p>2.2 Fellow workers are encouraged to utilize and share their specific qualities, skills or backgrounds with other team members and clients to enhance work outcomes.</p> <p>2.3 Relations with customers and clients are maintained to show that diversity is valued by the business.</p>	<p>of Workforce development</p> <p>2.2 Importance of inclusiveness in a diverse environment</p> <p>2.3 Shared vision and understanding of and commitment to team, departmental, and organizational goals and objectives</p> <p>2.4 Strategies for customer service excellence</p>	<p>2.2 Recognizing diverse groups in the workplace and community as defined by divergent culture, religion, traditions and practices</p> <p>2.3 Demonstrating collaboration skills</p> <p>2.4 Exhibiting customer service excellence</p>
3. Identify common issues in a multicultural and diverse environment	<p>3.1 <i>Diversity-related conflicts</i> within the workplace are effectively addressed and resolved.</p> <p>3.2 Discriminatory behaviors towards customers/stakeholders are minimized and addressed accordingly.</p> <p>3.3 Change management policies are in place within the organization.</p>	<p>3.1 Value, and leverage of cultural diversity</p> <p>3.2 Inclusivity and conflict resolution</p> <p>3.3 Workplace harassment</p> <p>3.4 Change management and ways to overcome resistance to change</p> <p>3.5 Advanced strategies for customer service excellence</p>	<p>3.1 Addressing diversity-related conflicts in the workplace</p> <p>3.2 Eliminating discriminatory behavior towards customers and co-workers</p> <p>3.3 Utilizing change management policies in the workplace</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Diversity	This refers to diversity in both the workplace and the community and may include divergence in : 1.1 Religion 1.2 Ethnicity, race or nationality 1.3 Culture 1.4 Gender, age or personality 1.5 Educational background
2. Diversity-related conflicts	May include conflicts that result from: 2.1 Discriminatory behaviors 2.2 Differences of cultural practices 2.3 Differences of belief and value systems 2.4 Gender-based violence 2.5 Workplace bullying 2.6 Corporate jealousy 2.7 Language barriers 2.8 Individuals being differently-abled persons 2.9 Ageism (negative attitude and behavior towards old people)

EVIDENCE GUIDE

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Adjusted language and behavior as required by interactions with diversity 1.2 Identified and respected individual differences in colleagues, clients and customers 1.3 Applied relevant regulations, standards and codes of practice
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Access to workplace and resources 2.2 Manuals and policies on Workplace Diversity
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Demonstration or simulation with oral questioning 3.2 Group discussions and interactive activities 3.3 Case studies/problems involving workplace diversity issues 3.4 Third-party report 3.5 Written examination 3.6 Role Plays
4. Context for Assessment	Competency assessment may occur in workplace or any appropriately simulated environment

UNIT OF COMPETENCY : PROPOSE METHODS OF APPLYING LEARNING AND INNOVATION IN THE ORGANIZATION

UNIT CODE : 400311323

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to assess general obstacles in the application of learning and innovation in the organization and to propose practical methods of such in addressing organizational challenges.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Assess work procedures, processes and systems in terms of innovative practices	1.1. Reasons for innovation are incorporated to work procedures. 1.2. Models of innovation are researched. 1.3. Gaps or barriers to innovation in one's work area are analyzed. 1.4. Staff who can support and foster innovation in the work procedure are identified.	1.1 Seven habits of highly effective people. 1.2 Character strengths that foster innovation and learning (Christopher Peterson and Martin Seligman, 2004) 1.3 Five minds of the future concepts (Gardner, 2007). 1.4 Adaptation concepts in neuroscience (Merzenich, 2013). 1.5 Transtheoretical model of behavior change (Prochaska, DiClemente, & Norcross, 1992).	1.1 Demonstrating collaboration and networking skills. 1.2 Applying basic research and evaluation skills 1.3 Generating insights on how to improve organizational procedures, processes and systems through innovation.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
2. Generate practical action plans for improving work procedures, processes	<p>2.1 Ideas for innovative work procedure to foster innovation using individual and group techniques are conceptualized</p> <p>2.2 Range of ideas with other team members and colleagues are evaluated and discussed</p> <p>2.3 Work procedures and processes subject to change are selected based on workplace requirements (feasible and innovative).</p> <p>2.4 Practical action plans are proposed to facilitate simple changes in the work procedures, processes and systems.</p> <p>2.5 Critical inquiry is applied and used to facilitate discourse on adjustments in the simple work procedures, processes and systems.</p>	<p>2.1 Seven habits of highly effective people.</p> <p>2.2 Character strengths that foster innovation and learning (Christopher Peterson and Martin Seligman, 2004)</p> <p>2.3 Five minds of the future concepts (Gardner, 2007).</p> <p>2.4 Adaptation concepts in neuroscience (Merzenich, 2013).</p> <p>2.5 Transtheoretical model of behavior change (Prochaska, DiClemente, & Norcross, 1992).</p>	<p>2.1 Assessing readiness for change on simple work procedures, processes and systems.</p> <p>2.2 Generating insights on how to improve organizational procedures, processes and systems through innovation.</p> <p>2.3 Facilitating action plans on how to apply innovative procedures in the organization.</p>

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
3. Evaluate the effectiveness of the proposed action plans	<p>3.1 Work structure is analyzed to identify the impact of the new work procedures</p> <p>3.2 Co-workers/key personnel is consulted to know who will be involved with or affected by the work procedure</p> <p>3.3 Work instruction operational plan of the new work procedure is developed and evaluated.</p> <p>3.4 Feedback and suggestions are recorded.</p> <p>3.5 Operational plan is updated.</p> <p>3.6 Results and impact on the developed work instructions are reviewed</p> <p>3.7 Results of the new work procedure are evaluated</p> <p>3.8 Adjustments are recommended based on results gathered</p>	<p>3.1 Five minds of the future concepts (Gardner, 2007).</p> <p>3.2 Adaptation concepts in neuroscience (Merzenich, 2013).</p> <p>3.3 Transtheoretical model of behavior change (Prochaska, DiClemente, & Norcross, 1992).</p>	<p>3.1 Generating insights on how to improve organizational procedures, processes and systems through innovation.</p> <p>3.2 Facilitating action plans on how to apply innovative procedures in the organization.</p> <p>3.3 Communicating results of the evaluation of the proposed and implemented changes in the workplace procedures and systems.</p> <p>3.4 Developing action plans for continuous improvement on the basic systems, processes and procedures in the organization.</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Reasons	May include: 1.1. Strengths and weaknesses of the current systems, processes and procedures. 1.2. Opportunities and threats of the current systems, processes and procedures.
2. Models of innovation	May include: 2.1. Seven habits of highly effective people. 2.2. Five minds of the future concepts (Gardner, 2007). 2.3. Neuroplasticity and adaptation strategies.
3. Workplace requirements	May include: 3.1. Feasible 3.2. Innovative
4. Gaps or barriers	May include: 4.1. Machine 4.2. Manpower 4.3. Methods 4.4. Money
5. Critical Inquiry	May include: 5.1. Preparation. 5.2. Discussion. 5.3. Clarification of goals. 5.4. Negotiate towards a Win-Win outcome. 5.5. Agreement. 5.6. Implementation of a course of action. 5.7. Effective verbal communication. See our pages: Verbal Communication and Effective Speaking. 5.8. Listening. 5.9. Reducing misunderstandings is a key part of effective negotiation. 5.10. Rapport Building. 5.11. Problem Solving. 5.12. Decision Making. 5.13. Assertiveness. 5.14. Dealing with Difficult Situations.

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ol style="list-style-type: none"> 1.1. Established the reasons why innovative systems are required 1.2. Established the goals of a new innovative system 1.3. Analyzed current organizational systems to identify gaps and barriers to innovation. 1.4. Assessed work procedures, processes and systems in terms of innovative practices. 1.5. Generated practical action plans for improving work procedures, and processes. 1.6. Reviewed the trial innovative work system and adjusted reflect evaluation feedback, knowledge management systems and future planning. 1.7. Evaluated the effectiveness of the proposed action plans.
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ol style="list-style-type: none"> 2.1. Pens, papers and writing implements. 2.2. Cartolina. 2.3. Manila papers
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ol style="list-style-type: none"> 3.1. Psychological and behavioral Interviews. 3.2. Performance Evaluation. 3.3. Life Narrative Inquiry. 3.4. Review of portfolios of evidence and third-party workplace reports of on-the-job performance. 3.5. Sensitivity analysis. 3.6. Organizational analysis. 3.7. Standardized assessment of character strengths and virtues applied.
<p>4. Context for Assessment</p>	<p>Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions.</p>

UNIT OF COMPETENCY : USE INFORMATION SYSTEMATICALLY

UNIT CODE : 400311324

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to use technical information systems, apply information technology (IT) systems and edit, format & check information.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Use technical information	1.1. Information are collated and organized into a suitable form for reference and use 1.2. Stored information are classified so that it can be quickly identified and retrieved when needed 1.3. Guidance are advised and offered to people who need to find and use information	1.1. Application in collating information 1.2. Procedures for inputting, maintaining and archiving information 1.3. Guidance to people who need to find and use information 1.4. Organize information 1.5. classify stored information for identification and retrieval 1.6. Operate the technical information system by using agreed procedures	1.1. Collating information 1.2. Operating appropriate and valid procedures for inputting, maintaining and archiving information 1.3. Advising and offering guidance to people who need to find and use information 1.4. Organizing information into a suitable form for reference and use 1.5. Classifying stored information for identification and retrieval 1.6. Operating the technical information system by using agreed procedures
2. Apply information	2.1. Technical information system is	2.1. Attributes and limitations of	2.1. Identifying attributes and limitations of

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
technology (IT)	<p>operated using agreed procedures</p> <p>2.2. Appropriate and valid procedures are operated for inputting, maintaining and archiving information</p> <p>2.3. Software required are utilized to execute the project activities</p> <p>2.4. Information and data obtained are handled, edited, formatted and checked from a range of internal and external sources</p> <p>2.5. Information are extracted, entered, and processed to produce the outputs required by customers</p> <p>2.6. Own skills and understanding are shared to help others</p> <p>2.7. Specified security measures are implemented to protect the confidentiality and integrity of project data held in IT systems</p>	<p>available software tools</p> <p>2.2. Procedures and work instructions for the use of IT</p> <p>2.3. Operational requirements for IT systems</p> <p>2.4. Sources and flow paths of data</p> <p>2.5. Security systems and measures that can be used</p> <p>2.6. Extract data and format reports</p> <p>2.7. Methods of entering and processing information</p> <p>2.8. WWW enabled applications</p>	<p>available software tools</p> <p>2.2. Using procedures and work instructions for the use of IT</p> <p>2.3. Describing operational requirements for IT systems</p> <p>2.4. Identifying sources and flow paths of data</p> <p>2.5. Determining security systems and measures that can be used</p> <p>2.6. Extracting data and format reports</p> <p>2.7. Describing methods of entering and processing information</p> <p>2.8. Using WWW applications</p>

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
3. Edit, format and check information	3.1 Basic editing techniques are used 3.2 Accuracy of documents are checked 3.3 Editing and formatting tools and techniques are used for more complex documents 3.4 Proofreading techniques is used to check that documents look professional	3.1 Basic file-handling techniques 3.2 Techniques in checking documents 3.3 Techniques in editing and formatting 3.4 Proof reading techniques	3.1 Using basic file-handling techniques is used for the software 3.2 Using different techniques in checking documents 3.3 Applying editing and formatting techniques 3.4 Applying proofreading techniques

RANGE OF VARIABLES

VARIABLE	RANGE
1. Information	May include: 1.1. Property 1.2. Organizational 1.3. Technical reference
2. Technical information	May include: 2.1. paper based 2.2. electronic
3. Software	May include: 3.1. spreadsheets 3.2. databases 3.3. word processing 3.4. presentation
4. Sources	May include: 4.1. other IT systems 4.2. manually created 4.3. within own organization 4.4. outside own organization 4.5. geographically remote
5. Customers	May include: 5.1. colleagues 5.2. company and project management 5.3. clients
6. Security measures	May include: 6.1. access rights to input; 6.2. passwords; 6.3. access rights to outputs; 6.4. data consistency and back-up; 6.5. recovery plans

EVIDENCE GUIDE

1. Critical aspects of Competency	Assessment requires evidence that the candidate: 1.1. Used technical information systems and information technology 1.2. Applied information technology (IT) systems 1.3. Edited, formatted and checked information
2. Resource Implications	The following resources should be provided: 2.1. Computers 2.2. Software and IT system
3. Methods of Assessment	Competency in this unit <u>MUST</u> be assessed through: 3.1. Direct Observation 3.2. Oral interview and written test
4. Context for Assessment	4.1. Competency may be assessed individually in the actual workplace or through accredited institution

UNIT OF COMPETENCY : EVALUATE OCCUPATIONAL SAFETY AND HEALTH WORK PRACTICES

UNIT CODE : 400311325

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to interpret Occupational Safety and Health practices, set OSH work targets, and evaluate effectiveness of Occupational Safety and Health work instructions

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Interpret Occupational Safety and Health practices	1.1 <i>OSH work practices issues</i> are identified relevant to work requirements 1.2 OSH work standards and procedures are determined based on applicability to nature of work 1.3 Gaps in work practices are identified related to relevant OSH work standards	1.1. OSH work practices issues 1.2. OSH work standards 1.3. General OSH principles and legislations 1.4. Company/ workplace policies/ guidelines 1.5. Standards and safety requirements of work process and procedures	1.1. Communication skills 1.2. Interpersonal skills 1.3. Critical thinking skills 1.4. Observation skills

<p>2. Set OSH work targets</p>	<p>2.1 Relevant work information are gathered necessary to determine OSH work targets</p> <p>2.2 OSH Indicators based on gathered information are agreed upon to measure effectiveness of workplace OSH policies and procedures</p> <p>2.3 Agreed OSH indicators are endorsed for approval from appropriate personnel</p> <p>2.4 OSH work instructions are received in accordance with workplace policies and procedures*</p>	<p>2.2. OSH work targets</p> <p>2.3. OSH Indicators</p> <p>2.4. OSH work instructions</p> <p>2.5. Safety and health requirements of tasks</p> <p>2.6. Workplace guidelines on providing feedback on OSH and security concerns</p> <p>2.7. OSH regulations Hazard control procedures</p> <p>2.8. OSH trainings relevant to work</p>	<p>2.1. Communication skills</p> <p>2.2. Collaborating skills</p> <p>2.3. Critical thinking skills</p> <p>2.4. Observation skills</p>
<p>3. Evaluate effectiveness of Occupational Safety and Health work instructions</p>	<p>3.1 OSH Practices are observed based on workplace standards</p> <p>3.2 Observed OSH practices are measured against approved OSH metrics</p> <p>3.3 Findings regarding effectiveness are assessed and gaps identified are implemented based on OSH work standards</p>	<p>3.1. OSH Practices</p> <p>3.2. OSH metrics</p> <p>3.3. OSH Evaluation Techniques</p> <p>3.4. OSH work standards</p>	<p>3.1. Critical thinking skills</p> <p>3.2. Evaluating skills</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. OSH Work Practices Issues	May include but not limited to: <ul style="list-style-type: none"> 1.1 Workers' experience/observance on presence of work hazards 1.2 Unsafe/unhealthy administrative arrangements (prolonged work hours, no break-time, constant overtime, scheduling of tasks) 1.3 Reasons for compliance/non-compliance to use of PPEs or other OSH procedures/policies/guidelines
2. OSH Indicators	May include but not limited to: <ul style="list-style-type: none"> 2.1 Increased of incidents of accidents, injuries 2.2 Increased occurrence of sickness or health complaints/symptoms 2.3 Common complaints of workers' related to OSH 2.4 High absenteeism for work-related reasons
3. OSH Work Instructions	May include but not limited to: <ul style="list-style-type: none"> 3.1 Preventive and control measures, and targets 3.2 Eliminate the hazard (i.e., get rid of the dangerous machine) 3.3 Isolate the hazard (i.e. keep the machine in a closed room and operate it remotely; barricade an unsafe area off) 3.4 Substitute the hazard with a safer alternative (i.e., replace the machine with a safer one) 3.5 Use administrative controls to reduce the risk (i.e. give trainings on how to use equipment safely; OSH-related topics, issue warning signages, rotation/shifting work schedule) 3.6 Use engineering controls to reduce the risk (i.e. use safety guards to machine) 3.7 Use personal protective equipment 3.8 Safety, Health and Work Environment Evaluation 3.9 Periodic and/or special medical examinations of workers
4. OSH metrics	May include but not limited to: <ul style="list-style-type: none"> 4.1 Statistics on incidence of accidents and injuries 4.2 Morbidity (Type and Number of Sickness) 4.3 Mortality (Cause and Number of Deaths) 4.4 Accident Rate

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ol style="list-style-type: none"> 1.1. Identify OSH work practices issues relevant to work requirements 1.2. Identify gaps in work practices related to relevant OSH work standards 1.3. Agree upon OSH Indicators based on gathered information to measure effectiveness of workplace OSH policies and procedures 1.4. Receive OSH work instructions in accordance with workplace policies and procedures 1.5. Compare Observed OSH practices with against approved OSH work instructions 1.6. Assess findings regarding effectiveness based on OSH work standards
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ol style="list-style-type: none"> 2.1 Facilities, materials, tools and equipment necessary for the activity
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ol style="list-style-type: none"> 3.1. Observation/Demonstration with oral questioning 3.2. Third party report 3.3. Written exam
<p>4. Context for Assessment</p>	<ol style="list-style-type: none"> 4.1 Competency may be assessed in the work place or in a simulated work place setting

UNIT OF COMPETENCY	:	EVALUATE ENVIRONMENTAL WORK PRACTICES
UNIT CODE	:	400311326
UNIT DESCRIPTOR	:	This unit covers the knowledge, skills and attitude to interpret environmental Issues, establish targets to evaluate environmental practices and evaluate effectiveness of environmental practices

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Interpret environmental practices, policies and procedures	1.1 Environmental work practices issues are identified relevant to work requirements 1.2 Environmental Standards and Procedures nature of work are determined based on Applicability to nature of work 1.3 Gaps in work practices related to Environmental Standards and Procedures are identified	1.1. Environmental Issues 1.2. Environmental Work Procedures 1.3. Environmental Laws 1.4. Environmental Hazardous and Non-Hazardous Materials 1.5. Environmental required license, registration or certification	1.1. Analyzing Environmental Issues and Concerns 1.2. Critical thinking 1.3. Problem Solving 1.4. Observation Skills
2. Establish targets to evaluate environmental practices	2.1. Relevant information is gathered necessary to determine environmental work targets 2.2. Environmental Indicators based on gathered information are set to measure environmental work targets 2.3. Indicators are verified with appropriate personnel	2.1. Environmental Indicators 2.2. Relevant Environment Personnel or expert 2.3. Relevant Environmental Trainings and Seminars	2.1. Investigative Skills 2.2. Critical thinking 2.3. Problem Solving 2.4. Observation Skills

<p>3. Evaluate effectiveness of environmental practices</p>	<p>3.1 Work environmental practices are recorded based on workplace standards</p> <p>3.2 Recorded work environmental practices are compared against planned indicators</p> <p>3.3 Findings regarding effectiveness are assessed and gaps identified are implemented based on environment work standards and procedures</p> <p>3.4 Results of environmental assessment are conveyed to appropriate personnel</p>	<p>3.1 Environmental Practices</p> <p>3.2 Environmental Standards and Procedures</p>	<p>3.1 Documentation and Record Keeping Skills</p> <p>3.2 Critical thinking</p> <p>3.3 Problem Solving</p> <p>3.4 Observation Skills</p>
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RANGE OF VARIABLES

VARIABLE	R A N G E
1. Environmental Practices Issues	May include but not limited to: 1.1 Water Quality 1.2 National and Local Government Issues 1.3 Safety 1.4 Endangered Species 1.5 Noise 1.6 Air Quality 1.7 Historic 1.8 Waste 1.9 Cultural
2. Environmental Indicators	May include but not limited to: 2.1 Noise level 2.2 Lighting (Lumens) 2.3 Air Quality - Toxicity 2.4 Thermal Comfort 2.5 Vibration 2.6 Radiation 2.7 Quantity of the Resources 2.8 Volume

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Identified environmental issues relevant to work requirements 1.2. Identified gaps in work practices related to Environmental Standards and Procedures 1.3. Gathered relevant information necessary to determine environmental work targets 1.4. Set environmental indicators based on gathered information to measure environmental work targets 1.5. Recorded work environmental practices are recorded based on workplace standards 1.6. Conveyed results of environmental assessment to appropriate personnel
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Workplace/Assessment location 2.2 Legislation, policies, procedures, protocols and local ordinances relating to environmental protection 2.3 Case studies/scenarios relating to environmental protection
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Written/ Oral Examination 3.2 Interview/Third Party Reports 3.3 Portfolio (citations/awards from GOs and NGOs, certificate of training – local and abroad) 3.4 Simulations and role-plays
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1 Competency may be assessed in actual workplace or at the designated TESDA center.

UNIT OF COMPETENCY : FACILITATE ENTREPRENEURIAL SKILLS FOR MICRO-SMALL-MEDIUM ENTERPRISES (MSMEs)

UNIT CODE : 400311327

UNIT DESCRIPTOR : This unit covers the outcomes required to build, operate and grow a micro/small-scale enterprise.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Develop and maintain micro-small-medium enterprise (MSMEs) skills in the organization	1.1 Appropriate business strategies are determined and set for the enterprise based on the current and emerging business environment. 1.2 Business operations are monitored and controlled following established procedures. 1.3 Quality assurance measures are implemented consistently. 1.4 Good relations are maintained with staff/workers. 1.5 Policies and procedures on occupational safety and health and environmental concerns are constantly observed.	1.1 Business models and strategies 1.2 Types and categories of businesses 1.3 Business operation 1.4 Basic Bookkeeping 1.5 Business internal controls 1.6 Basic quality control and assurance concepts 1.7 Government and regulatory processes	1.1 Basic bookkeeping/ accounting skills 1.2 Communication skills 1.3 Building relations with customer and employees 1.4 Building competitive advantage of the enterprise
2. Establish and Maintain client-base/market	2.1 Good customer relations are maintained 2.2 New customers and markets are identified,	2.1 Public relations concepts 2.2 Basic product promotion strategies	2.1 Building customer relations 2.2 Individual marketing skills

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>explored and reached out to.</p> <p>2.3 Promotions/Incentives are offered to loyal customers</p> <p>2.4 Additional products and services are evaluated and tried where feasible.</p> <p>2.5 Promotional/advertising initiatives are carried out where necessary and feasible.</p>	<p>2.3 Basic market and feasibility studies</p> <p>2.4 Basic business ethics</p>	<p>2.3 Using basic advertising (posters/ tarpaulins, flyers, social media, etc.)</p>
<p>3. Apply budgeting and financial management skills</p>	<p>3.1 Enterprise is built up and sustained through judicious control of cash flows.</p> <p>3.2 Profitability of enterprise is ensured through appropriate internal controls.</p> <p>3.3 Unnecessary or lower-priority expenses and purchases are avoided.</p>	<p>3.1 Cash flow management</p> <p>3.2 Basic financial management</p> <p>3.3 Basic financial accounting</p> <p>3.4 Business internal controls</p>	<p>3.1 Setting business priorities and strategies</p> <p>3.2 Interpreting basic financial statements</p> <p>3.3 Preparing business plans</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Business strategies	May include but not limited to: <ul style="list-style-type: none"> 1.1. Developing/Maintaining niche market 1.2. Use of organic/healthy ingredients 1.3. Environment-friendly and sustainable practices 1.4. Offering both affordable and high-quality products and services 1.5. Promotion and marketing strategies (e. g., on-line marketing)
2. Business operations	May include but not limited to: <ul style="list-style-type: none"> 2.1 Purchasing 2.2 Accounting/Administrative work 2.3 Production/Operations/Sales
3. Internal controls	May include but not limited to: <ul style="list-style-type: none"> 3.1 Accounting systems 3.2 Financial statements/reports 3.3 Cash management
4. Promotional/ Advertising initiatives	May include but not limited to: <ul style="list-style-type: none"> 4.1 Use of tarpaulins, brochures, and/or flyers 4.2 Sales, discounts and easy payment terms 4.3 Use of social media/Internet 4.4 "Service with a smile" 4.5 Extra attention to regular customers

EVIDENCE GUIDE

<p>1. Critical aspects of competency</p>	<p>Assessment requires evidence that the candidate :</p> <ul style="list-style-type: none"> 1.1. Demonstrated basic entrepreneurial skills 1.2. Demonstrated ability to conceptualize and plan a micro/small enterprise 1.3. Demonstrated ability to manage/operate a micro/small-scale business
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1. Simulated or actual workplace 2.2. Tools, materials and supplies needed to demonstrate the required tasks 2.3. References and manuals
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through :</p> <ul style="list-style-type: none"> 3.1. Written examination 3.2. Demonstration/observation with oral questioning 3.3. Portfolio assessment with interview 3.4. Case problems
<p>4. Context of Assessment</p>	<ul style="list-style-type: none"> 4.1. Competency may be assessed in workplace or in a simulated workplace setting 4.2. Assessment shall be observed while tasks are being undertaken whether individually or in-group

COMMON COMPETENCIES

UNIT TITLE : **APPLY QUALITY STANDARDS**

UNIT CODE : **ICT315202**

UNIT DESCRIPTOR : This unit covers the knowledge, skills, attitudes and values needed to apply quality standards in the workplace. The unit also includes the application of relevant safety procedures and regulations, organization procedures and customer requirements.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Assess quality of received materials	1.1. Work instruction is obtained and work is carried out in accordance with standard operating procedures. 1.2. Received materials are checked against workplace standards and specifications. 1.3. Faulty materials related to work are identified and isolated. 1.4. Faults and any identified causes are recorded and/or reported to the supervisor concerned in accordance with workplace procedures. 1.5. Faulty materials are replaced in accordance with workplace procedures.	1.1. Relevant production processes, materials and products 1.2. Characteristics of materials, software and hardware used in production processes 1.3. Quality checking procedures 1.4. Quality Workplace procedures 1.5. Identification of faulty materials related to work	1.1. Reading skills required to interpret work instruction 1.2. Critical thinking 1.3. Interpreting work instructions

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
2. Assess own work	2.1 Documentation relative to quality within the company is identified and used. 2.2 Completed work is checked against workplace standards relevant to the task undertaken. 2.3 Errors are identified and isolated. 2.4 Information on the quality and other indicators of production performance are recorded in accordance with workplace procedures. 2.5 In cases of deviations from specific quality standards , causes are documented and reported in accordance with the workplace' s standards operating procedures.	2.1. Safety and environmental aspects of production processes 2.2. Fault identification and reporting 2.3. Workplace procedure in documenting completed work 2.4. Workplace Quality Indicators	2.1. Carry out work in accordance with OHS policies and procedures
3. Engage in quality improvement	3.1 Process improvement procedures are participated in relative to workplace assignment.	3.1. Quality improvement processes 3.2. Company customers defined	3.1. Solution providing and decision-making 3.2. Practice company process improvement procedure

ELEMENT	PERFORMANCE CRITERIA <i>Italicized</i> terms are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>3.2 Work is carried out in accordance with process improvement procedures.</p> <p>3.3 Performance of operation or quality of product of service to ensure <i>customer</i> satisfaction is monitored.</p>		

RANGE OF VARIABLES

VARIABLE	RANGE
1 Materials	1.1 Materials may include but not limited to: <ul style="list-style-type: none"> 1.1.1. Manuals 1.1.2. Job orders 1.1.3. Instructional videos
2 Faults	2.1 Faults may include but not limited to: <ul style="list-style-type: none"> 2.1.1. Materials not to specification 2.1.2. Materials contain incorrect/outdated information 2.1.3. Hardware defects 2.1.4. Materials that do not conform with any regulatory agencies
3 Documentation	3.1 Organization work procedures 3.2 Manufacturer's instruction manual 3.3 Customer requirements 3.4 Forms
4 Errors	4.1 Errors may be related but not limited to the following: <ul style="list-style-type: none"> 4.1.1. Deviation from the requirements of the Client 4.1.2. Deviation from the requirement of the organization
5 Quality standards	5.1 Quality standards may be related but not limited to the following: <ul style="list-style-type: none"> 5.1.1. Materials 5.1.2. Hardware 5.1.3. Final product 5.1.4. Production processes 5.1.5. Customer service
6 Customer	6.1 Co-worker 6.2 Supplier/Vendor 6.3 Client 6.4 Organization receiving the product or service

EVIDENCE GUIDE

<p>1 Critical aspect of competency</p>	<p>Assessment requires evidence that candidate:</p> <ul style="list-style-type: none"> 1.1 Carried out work in accordance with the company's standard operating procedures 1.2 Performed task according to specifications 1.3 Reported defects detected in accordance with standard operating procedures 1.4 Carried out work in accordance with the process improvement procedures
<p>2 Method of assessment</p>	<p>The assessor may select two (2) of the following assessment methods to objectively assess the candidate:</p> <ul style="list-style-type: none"> 2.1 Observation 2.2 Questioning 2.3 Practical demonstration
<p>3 Resource implication</p>	<p>3.1 Materials, software and hardware to be used in a real or simulated situation</p>
<p>4 Context of Assessment</p>	<p>4.1 Assessment may be conducted in the workplace or in a simulated environment</p>

UNIT TITLE : PERFORM COMPUTER OPERATIONS

UNIT CODE : ICT311203

UNIT DESCRIPTOR : This unit covers the knowledge, skills, (and) attitudes and values needed to perform computer operations which include inputting, accessing, producing and transferring data using the appropriate hardware and software

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Plan and prepare for task to be undertaken	1.1. Requirements of task are determined 1.2. Appropriate hardware and software are selected according to task assigned and required outcome 1.3. Task is planned to ensure OH&S guidelines and procedures are followed	1.1. Main types of computers and basic features of different operating systems 1.2. Main parts of a computer 1.3. Information on hardware and software 1.4. Data security guidelines	1.1. Reading and comprehension skills required to interpret work instruction and to interpret basic user manuals. 1.2. Communication skills to identify lines of communication, request advice, follow instructions and receive feedback. 1.3. Interpreting user manuals and security guidelines
2. Input data into computer	2.1. Data are entered into the computer using appropriate program/application in accordance with company procedures 2.2. Accuracy of information is checked and information is saved in accordance with standard	2.1. Basic ergonomics of keyboard and computer user 2.2. Storage devices and basic categories of memory 2.3. Relevant types of software	2.1. Technology skills to use equipment safely including keyboard skills. 2.2. Entering data

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	operating procedures 2.3. Inputted data are stored in storage media according to requirements 2.4. Work is performed within ergonomic guidelines		
3. Access information using computer	3.1. Correct program/application is selected based on job requirements 3.2. Program/application containing the information required is accessed according to company procedures 3.3. Desktop icons are correctly selected, opened and closed for navigation purposes 3.4. Keyboard techniques are carried out in line with OH&S requirements for safe use of keyboards	3.1. General security, privacy legislation and copyright 3.2. Productivity Application 3.3. Business Application	3.1. Accessing information 3.2. Searching and browsing files and data
4. Produce/ output data using computer system	4.1. Entered data are processed using appropriate software commands 4.2. Data printed out as required using computer hardware/peripheral devices in accordance with	4.1. Computer application in printing, scanning and sending facsimile 4.2. Types and function of computer peripheral devices	4.1. Computer data processing 4.2. Printing of data 4.3. Transferring files and data

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>standard operating procedures</p> <p>4.3. Files, data are transferred between compatible systems using computer software, hardware/ peripheral devices in accordance with standard operating procedures</p>		
5. Maintain computer equipment and systems	<p>5.1. Systems for cleaning, minor <i>maintenance</i> and replacement of consumables are implemented</p> <p>5.2. Procedures for ensuring security of data, including regular back-ups and virus checks are implemented in accordance with standard operating procedures</p> <p>5.3. Basic file maintenance procedures are implemented in line with the standard operating procedures</p>	<p>5.1 Computer equipment/system basic maintenance procedures</p> <p>5.2 Viruses</p> <p>5.3 OH&S principles and responsibilities</p> <p>5.4 Calculating computer capacity</p> <p>5.5 System Software</p> <p>5.6 Basic file maintenance procedures</p>	<p>5.1 Removing computer viruses from infected machines</p> <p>5.2 Making backup files</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Hardware and peripheral devices	1.1. Personal computers 1.2. Networked systems 1.3. Communication equipment 1.4. Printers 1.5. Scanners 1.6. Keyboard 1.7. Mouse
2. Software	Software includes the following but not limited to: 2.1. Word processing packages 2.2. Data base packages 2.3. Internet 2.4. Spreadsheets
3. OH & S guidelines	3.1. OHS guidelines 3.2. Enterprise procedures
4. Storage media	Storage media include the following but not limited to: 4.1. diskettes 4.2. CDs 4.3. zip disks 4.4. hard disk drives, local and remote
5. Ergonomic guidelines	5.1. Types of equipment used 5.2. Appropriate furniture 5.3. Seating posture 5.4. Lifting posture 5.5. Visual display unit screen brightness
6. Desktop icons	Icons include the following but not limited to: 6.1. directories/folders 6.2. files 6.3. network devices 6.4. recycle bin
7. Maintenance	7.1. Creating more space in the hard disk 7.2. Reviewing programs 7.3. Deleting unwanted files 7.4. Backing up files 7.5. Checking hard drive for errors 7.6. Using up to date security solution programs 7.7. Cleaning dust from internal and external surfaces

EVIDENCE GUIDE

1. Critical aspect of competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Selected and used hardware components correctly and according to the task requirement 1.2. Identified and explain the functions of both hardware and software used, their general features and capabilities 1.3. Produced accurate and complete data in accordance with the requirements 1.4. Used appropriate devices and procedures to transfer files/data accurately 1.5. Maintained computer system
2. Method of assessment	<p>2.1. The assessor may select two of the following assessment methods to objectively assess the candidate:</p> <ul style="list-style-type: none"> 2.1.1. Observation 2.1.2. Questioning 2.1.3. Practical demonstration
3. Resource implication	<ul style="list-style-type: none"> 3.1. Computer hardware with peripherals 3.2. Appropriate software
4. Context of Assessment	<ul style="list-style-type: none"> 4.1. Assessment may be conducted in the workplace or in a simulated work environment

UNIT OF COMPETENCY: ENSURE COMPLIANCE WITH DATA PRIVACY AND ETHICS

UNIT CODE: CS-ICT252101

UNIT DESCRIPTOR: This unit covers the outcomes required to ensure data privacy, ethical handling, and the integrity of data throughout its lifecycle. It includes maintaining compliance with data privacy regulations, applying ethical guidelines, and implementing practices to safeguard data accuracy and reliability across various projects.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Comply with data privacy regulations	1.1. Data privacy regulations relevant to data handling are identified and followed based on industry standards 1.2. Data handling practices are ensured with Data privacy regulations 1.3. Secure storage practices are implemented to protect personal data based on industry standards	1.1. RA 10173 (Data Privacy Act of 2012). 1.2. Secure data storage protocols, including encryption and access control 1.3 Data Privacy Regulations	1.1. Identifying applicable data privacy regulations during annotation and labeling. 1.2. Following secure data handling procedures 1.3. Storing personal data in compliance with privacy laws
2. Apply ethical standards in data handling	2.1. Ethical guidelines are applied to avoid bias and promote fairness in data handling processes 2.2. Transparency in data usage is ensured through proper documentation of data handling practices . 2.3. Consent for data usage is obtained and documented following ethical standards	2.1. Knowledge of AI ethics principles, such as fairness, transparency, and accountability 2.2. RA 10175 (Cybercrime Prevention Act of 2012) 2.3. Importance of preventing bias in datasets and ensuring transparent practices	2.1. Applying ethical standards during annotation and labeling to avoid bias 2.2. Documenting data handling and usage practices 2.3. Obtaining and recording user consent for data usage

RANGE OF VARIABLES

VARIABLE	RANGE
1. Data privacy regulations	May include but not limited to: 1.1. RA 10173 (Data Privacy Act of 2012) 1.2. Organizational policies on data privacy
2. Ethical guidelines	May include but not limited to: 2.1. Guidelines to prevent bias in data annotation 2.2. Ethical AI principles 2.3. Transparency and accountability standards
3. Data handling practices	May include but not limited to: 3.1. Secure data transmission 3.2. Data anonymization 3.3. Data encryption
4. Ethical standards	May include but not limited to: 4.1. Fairness 4.2. Avoiding bias 4.3. Transparency 4.4. Accountability

EVIDENCE GUIDE

1. Critical aspects of competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Complied with data privacy regulations</p> <p>1.2 Applied ethical standards in data handling</p>
2. Method of assessment	<p>The assessor may select from the following assessment methods but not limited to:</p> <p>2.1 Observation</p> <p>2.2 Questioning</p> <p>2.3 Practical demonstration</p>
3. Resource implication	<p>3.1 Access to relevant privacy regulations and ethical guidelines.</p> <p>3.2 Documentation tools for compliance and tracking consent.</p> <p>3.3 AI datasets requiring secure handling and compliance with privacy laws</p>
4. Context of Assessment	<p>4.1 Assessment may be conducted in a workplace or simulated environment.</p>

CORE COMPETENCIES

UNIT OF COMPETENCY : **UTILIZE GENERATIVE AI**

UNIT CODE : **CS-ICT251107**

UNIT DESCRIPTOR : This unit covers the outcomes required in identifying generative AI, accessing generative AI, and interacting with generative AI.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Identify generative AI	1.1. Generative AI functions are determined based on the specific task to perform 1.2. Generative AI limitation are identified based in the terms of use 1.3. Ethical uses of generative AI are differentiated from unethical uses of generative AI 1.4. Generative AI major characteristics are identified based on the terms of use 1.5. Appropriate type of generative AI is selected based on the job requirements	1.1 RA 10173 (Data Privacy Act of 2012) 1.2 RA 8293 (Intellectual Property Code of the Philippines) 1.3 Basic knowledge of AI 1.3.1 Different types of AI 1.3.2 What is generative AI? 1.3.3 How does gen AI work? 1.4 Basic knowledge on ethical use of AI 1.5 Environmental impact of generative AI	1.1. Computer Operation skills 1.2. Research skills 1.3. Analytical skills 1.4. Critical thinking skill 1.5. Web browsing skill 1.6. Problem identification / solving skill 1.7. Decision making skills
2. Access generative AI	2.1. User account is created on appropriate	2.1 Strong password selection,	2.1. Navigation skills 2.2. Creativity

	<p>platform based on generative AI type and task requirements</p> <p>2.2. Terms and condition were reviewed and agreed based on obtaining authorization to utilize <i>generative AI</i> tool</p> <p>2.3. Login credentials are secured following best practices for cybersecurity and data privacy</p> <p>2.4. Social login was selected for user authentication, if applicable</p> <p>2.5. Appropriate subscription type is selected for the specific <i>generative AI</i></p>	<p>security measures, 2FA</p> <p>2.2 Terms and condition</p> <p>2.3 Account creation</p> <p>2.4 Social Login</p> <p>2.5 Knowledge on various subscription and payment</p>	<p>2.3. Computer Operation skills</p> <p>2.4. Analytical skills</p> <p>2.5. Critical thinking skills</p> <p>2.6. Web browsing skill</p> <p>2.7. Digital fluency / internet fluency</p>
<p>3. Interact with generative AI</p>	<p>3.1. Appropriate prompt style is selected based on the desired outcome</p> <p>3.2. Prompt was formulated based on the chosen prompt style</p> <p>3.3. Various prompts were experimented to achieve desired outcomes</p> <p>3.4. Generative AI output was</p>	<p>3.1 Prompt engineering</p> <p>3.2 Prompt libraries</p> <p>3.3 Making prompts more efficient</p> <p>3.4 Correct syntax and semantics</p> <p>3.5 English grammar proficiency</p> <p>3.6 Human-in-the loop</p>	<p>3.1. Navigation skills</p> <p>3.2. Computer Operation skills</p> <p>3.3. Creativity</p> <p>3.4. Analytical skills</p> <p>3.5. Critical thinking skill</p> <p>3.6. Verification and evaluation Skills</p> <p>3.7. AI prompting skills</p> <p>3.8. Communication skills</p>

	<p>reviewed and underwent a thorough accuracy and evaluation in accordance with the desired outcome</p> <p>3.5. Feedback on the output is provided back to the generative AI application in accordance with the generative AI's functionalities</p>		
<p>4. Assess AI-generated outputs</p>	<p>4.1. AI generated outputs are reviewed under supervision to ensure they meet predefined quality criteria</p> <p>4.2. Content is evaluated for accuracy and relevance according to given guidelines</p> <p>4.3. Areas of improvement or deviation from expected results are identified with guidance</p> <p>4.4. Ethical and legal considerations in the output are checked in alignment with established standards</p>	<p>4.1. Knowledge of basic quality criteria for AI outputs</p> <p>4.2. Awareness of ethical standards in AI use</p> <p>4.3. Familiarity with data privacy regulations (RA 10173) and intellectual property laws (RA 8293)</p> <p>4.4. Basic understanding of AI bias</p>	<p>4.1. Analytical and observation skills under supervision</p> <p>4.2. Basic critical thinking</p> <p>4.3. Ability to identify errors or inconsistencies</p> <p>4.4. Basic ethical judgment</p>

<p>5. Adjust prompts for improved outputs</p>	<p>5.1. Simple adjustments are made to prompts based on feedback and supervisor guidance</p> <p>5.2. New prompts are tested to observe improvements in AI outputs</p> <p>4.5. Feedback is applied iteratively to enhance output quality under supervision</p>	<p>5.1. Basic understanding of prompt adjustment techniques</p> <p>5.2. Awareness of trial-and-error improvement approaches</p> <p>5.3. Familiarity with AI prompt tools and systems</p>	<p>5.1. Creativity in adjusting prompts</p> <p>5.2. Practical problem-solving skills with guidance</p> <p>5.3. Adaptability to apply feedback in iterative cycles</p>
<p>6. Resolve bias in AI outputs</p>	<p>6.1. AI outputs are reviewed for common biases under guidance</p> <p>6.2. Prompts are adjusted to correct for simple bias issues identified during review</p> <p>6.3. Outputs are aligned with basic fairness and inclusivity standards based on instructions</p>	<p>6.1. Knowledge of common AI biases</p> <p>6.2. Awareness of fairness and inclusion principles in AI outputs</p> <p>6.3. Understanding of the role of bias in AI-generated content</p>	<p>6.1. Bias identification skills with guidance</p> <p>6.2. Ability to make simple adjustments to reduce bias</p> <p>6.3. Basic critical thinking for ensuring fairness in outputs</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Generative AI	May include but not limited to: <ul style="list-style-type: none"> 1.1. Text generation tools 1.2. Image generation tools 1.3. Music generation tools 1.4. Code generation tools 1.5. Voice generation/synthesis tools 1.6. Video generation tools 1.7 AI chip design tool
2. Generative AI Functions	May include but not limited to: <ul style="list-style-type: none"> 2.1. Written content augmentation and creation 2.2. Question answering and discovery 2.3. Summarization 2.4. Simplification 2.5. Classification of content for specific use cases 2.6. Chat bot performance improvement 2.7 Software coding
3. Generative AI major characteristics	May include but not limited to: <ul style="list-style-type: none"> 3.1. Business 3.2. Technology 3.3. Process 3.4. People
4. Generative AI limitation	May include but not limited to: <ul style="list-style-type: none"> 4.1. Biased 4.2. Inconsistent 4.3. Inaccurate 4.4. Deep fakes 4.5. Breach data privacy and security requirements 4.6. Breach copyright and intellectual property requirements
5. Ethical uses of generative AI	May include but not limited to: <ul style="list-style-type: none"> 5.1. Validate the sources of information and check for accuracy. 5.2. Use AI to correct and stop the spread of misinformation and disinformation. 5.3. Exercise caution when using such tools in managing sensitive information 5.4. Recognize the limits of the technology and acknowledge the sophistication and expertise of personal knowledge
6. Unethical uses of	May include but not limited to:

VARIABLE	RANGE
generative AI	6.1. Creating a fake account using AI 6.2. Create content with the intent of spreading disinformation 6.3. Uploading sensitive, proprietary, or confidential data such as personal health information and trade secrets 6.4. Unintentional bias may occur in generated content
7. Prompt Style	May include but not limited to: 7.1. Completion Prompts 7.2. Question Prompts 7.3. Instruction Prompts 7.4. Comparison Prompts 7.5. Creative Prompts 7.6. Translation Prompts 7.7. Summarization Prompts 7.8. Dialogue Prompts
8. Best practices for data privacy and cybersecurity	May include but not limited to: 8.1. Create Strong Passwords 8.2. Frequently Update Passwords 8.3. Do not share passwords with anyone 8.4. Always decline the use of the “Remember Password” feature of applications
9. Social login	May include but not limited to: 9.1. Facebook 9.2. Google 9.3. LinkedIn 9.4. Microsoft 9.5. X (formerly Twitter)
10. Subscription type	May include but not limited to: 10.1. free 10.2. freemium 10.3. premium
11. AI-generated outputs	May include but are not limited to: 11.1. Text outputs 11.2. Image outputs 11.3. 13 Voice outputs 11.4. 14 Code outputs 11.5. 15 Video outputs 11.6. 16 AI-generated reports
12. Quality criteria	May include but are not limited to: 12.1. Relevance 12.2. Clarity

VARIABLE	RANGE
	12.3. Creativity 12.4. Correctness 12.5. Completeness
13. Content	May include but is not limited to: 13.1. Text-based content 13.2. Visual content 13.3. Audio content 13.4. Multimedia content 13.5. Data
14. Accuracy	May include but is not limited to: 14.1. Factual correctness 14.2. Consistency with intended meaning 14.3. Alignment with objectives
15. AI bias	May include but is not limited to: 15.1. Gender bias 15.2. Racial bias 15.3. Socioeconomic bias 15.4. Cultural bias 15.5. Political bias
16. Prompts	May include but are not limited to: 16.1. Text prompts 16.2. Image generation prompts 16.3. Audio generation prompts 16.4. Instruction prompts 16.5. Dialogue prompts 16.6. Completion prompts
17. Bias	May include but is not limited to: 17.1. Unintended bias in outputs 17.2. Systemic bias based on input data 17.3. Ethical concerns related to bias 17.4. Inherent model bias
18. Output quality	18.1. May include but is not limited to: 18.2. Relevance to objectives 18.3. Consistency 18.4. Timeliness 18.5. Accuracy 18.6. Creativity

EVIDENCE GUIDE

<p>1 Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Identified generative AI 1.2. Accessed generative AI 1.3. Interacted with generative AI 1.4. Assessed AI-generated outputs 1.5. Adjusted prompts for improved outputs 1.6. Resolved bias in AI outputs
<p>2 Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1. Computer (desktop or laptop) or Mobile Device 2.2. Internet connection 2.3. Access to any generative AI tools and/or application
<p>3 Methods of Assessment</p>	<p>Competency in this unit must be assessed through but not limited to:</p> <ul style="list-style-type: none"> 3.1. Demonstration 3.2. Oral questioning 3.3. Written test
<p>4 Context for Assessment</p>	<p>4.1. Competency may be assessed in the workplace or in simulated workplace environment</p>

UNIT OF COMPETENCY : **IMPLEMENT BASIC AUTOMATION TECHNIQUES USING ARTIFICIAL INTELLIGENCE (AI) TOOLS**

UNIT CODE : **CS- ICT251108**

UNIT DESCRIPTOR : This unit covers the outcomes required to implement simple automation techniques to streamline repetitive tasks. It includes configuring automation workflows and using no-code or low-code tools to improve productivity.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Select AI-enabled automation tools	1.1. List of <i>AI-enabled no-code automation</i> is generated 1.2. Suitable <i>AI-enabled no-code automation</i> platforms are selected based on task requirements 1.3. Platform features, such as text recognition and form processing, are reviewed for applicability	1.1. Basic understanding of no-code AI automation tools 1.2. Familiarity with AI features available on no-code platforms	1.1. Selecting appropriate AI-enabled tools based on task needs 1.2. Navigating user-friendly AI automation platforms for workflow setup
2. Configure basic AI-driven workflows	2.1. <i>AI platform features</i> are identified 2.2. <i>AI platform features</i> are selected and added to workflows to automate tasks 2.3. <i>Workflow settings</i> are adjusted to ensure tasks are completed	2.1. Knowledge of AI features commonly available in no-code automation platforms 2.2. Awareness of simple workflow adjustments for task automation	1.1. Setting up AI-enhanced workflows using drag-and-drop interfaces 1.2. Adjusting workflow settings to optimize task performance and accuracy

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	accurately and efficiently		
3. Monitor and update workflows	3.1. Workflows are monitored regularly to ensure they function as expected 3.2. Recommendations for improvement are documented 3.3. Simple improvements are made based on feedback from <i>workflow outcomes</i> and <i>task requirements</i>	3.1. Basics of monitoring AI-driven automation workflows for functionality and accuracy 3.2. Understanding how to adjust workflows based on user feedback or task performance	3.1. Observing workflow performance and making necessary adjustments 3.2. Using feedback to improve workflow efficiency and effectiveness

RANGE OF VARIABLES

VARIABLE	RANGE
1. AI-enabled no-code automation platforms	May include but not limited to: <ul style="list-style-type: none"> 1.1 Workflow automation tools with AI integration 1.2 Platforms for building AI-assisted automations using visual interfaces 1.3 Tools supporting robotic process automation (RPA) with AI capabilities
2. AI platform features	May include but not limited to: <ul style="list-style-type: none"> 2.1. Text recognition 2.2 Sentiment analysis 2.3. Form processing and simple data extraction
3. Task requirements	May include but not limited to: <ul style="list-style-type: none"> 3.1. Repetitive data entry tasks 3.2. Email or notification automation 3.3. Basic form processing tasks requiring minimal configuration
4. Workflow settings	May include but not limited to: <ul style="list-style-type: none"> 4.1. Triggers 4.2. Actions 4.3. Conditions to manage workflow execution and outcomes
5. Workflow outcomes	May include but not limited to: <ul style="list-style-type: none"> 5.1. Completion rate 5.2. Accuracy of AI-generated responses 5.3. User satisfaction from automated processes

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1. Selected appropriate AI-enabled no-code automation platforms. 1.2. Configured workflows using simple AI features to automate tasks. 1.3. Monitored and adjusted workflows for improved performance.
2. Method of assessment	The assessor may select two of the following assessment methods to objectively assess the candidate: 2.1. Observation 2.2. Practical demonstration 2.3. Documentation review 2.4. Interviews or questioning
3. Resource implication	Resources should include: 3.1. Access to no-code AI automation tools 3.2. Documentation templates for workflow tracking.
4. Context of Assessment	Assessment may be conducted in the workplace or in a simulated environment where candidates can configure and test AI-driven automation workflows.

GLOSSARY OF TERMS

AI features	Functionalities like text recognition, sentiment analysis, and form processing in automation platforms.
AI-enabled no-code automation platforms	Tools for setting up automated workflows without coding
AI-Generated Outputs	Content created by AI based on user inputs, such as text, images, or audio.
Bias (AI)	Unfairness in AI-generated content, caused by biased data used to train the AI.
Clarity	A measure of how understandable and unambiguous AI-generated content is for the target audience.
Data Privacy	Ensuring personal data is protected and used in compliance with legal standards like the Data Privacy Act of 2012 (RA 10173).
Ethical Use of AI	The practice of using AI systems in a responsible, fair, and unbiased manner, in line with ethical guidelines.
Evaluation Process	Reviewing AI-generated outputs to see if they meet required standards.
Factual Accuracy	Ensuring the information created by AI is correct and based on facts.
Generative AI	A subset of AI that can create new content (e.g., text, images, or code) based on training data, usually with some human input.
Human-in-the-loop	A process where human feedback and input are used to guide or refine the outputs of an AI system.
Intellectual Property	Legal rights protecting creations like AI-generated content, governed by laws like the Intellectual Property Code of the Philippines (RA 8293).
Iteration	Repeating the process of refining prompts and reviewing AI outputs to improve quality.
Prompt	Instructions given to AI to guide it in creating outputs.
Prompt Adjustment	Changing the instructions (prompt) to improve the AI's output.
Prompt Engineering	The process of designing and refining input prompts to improve the quality and relevance of AI-generated outputs.
Prompt Refinement	The iterative process of adjusting and rephrasing prompts to improve the accuracy, relevance, or creativity of the AI-generated output.
Quality Criteria	Standards used to check if AI-generated outputs are accurate and relevant.
Relevance	A measure of how closely AI-generated content aligns with the context or task requirements.
Relevance	How closely the AI-generated output matches what the user asked for.
Social Login	A method of authentication where users can log in to applications using existing credentials from social media platforms.

Text Generation	AI's ability to create human-like text based on the prompts provided by users.
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