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Collaborating for Impact: How Public-Private Collaboration Can Transform Training Ecosystem

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Empowering ASEAN's Training Supply:

Bridging Skills Gap, Innovation and Collaboration for a Future-Ready Economy





Key Topics

- Strengthening Public-Private Collaboration on Skills Development for Industry Transformation
- Aligning Training Supply with Evolving Industry Skills Needs
- Enhancing Institutional Arrangements for Effective Skills and Training
- Enhancing Quality and Impact of Training

Public-Private Collaborations for Workforce Development

- Integrating STEM in TVET
- Advanced Manufacturing Workforce Development Project



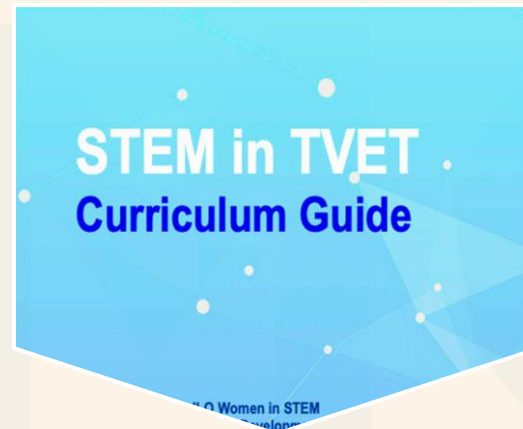
Integrating STEM in TVET



**Engagement of
Multi-stakeholder**



Capacity-Building



**Instructional
Materials
Development**



**Dissemination and
Institutionalization**



Integrating STEM in TVET

Strengthening Public-Private Collaboration on Skills Development for Industry Transformation

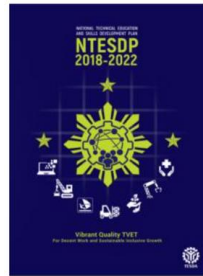


J.P.Morgan



Integrating STEM in TVET

Aligning Training Supply with Evolving Industry Skills Needs



National Technical Education and Skills Development Plan 2018-2022



Vibrant Quality TVET for Decent Work and Sustainable Inclusive Growth

TVET for GLOBAL COMPETITIVENESS & WORKFORCE READINESS

TVET for SOCIAL EQUITY AND POVERTY REDUCTION

Creating a conducive & enabling environment

Preparing workers for the challenges of the 4IR

Flexible & agile system

Active participation of industries in assessment, certification

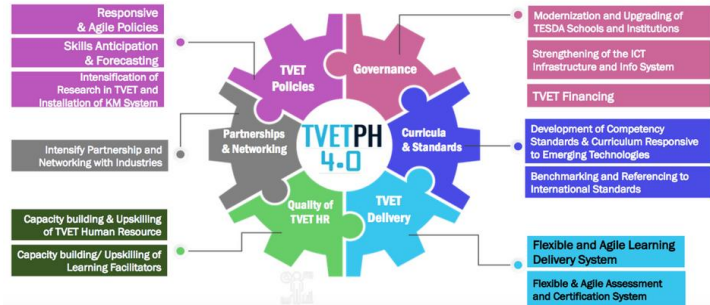
Rationalize TVET delivery system

Institute mechanisms to address rapidly-changing jobs

Address skills requirements not yet covered by TVET sector

Development of 21st century/soft skills

Fourth Industrial Revolution (4IR) Framework



Limuel Razo

Corporate Vice President
Unilab Manufacturing Network



Allan Timonera

President
Fastech



Conrad Artagame Jr.

Talent Management and Organizational
Development Officer
HGST Philippines Corp, Western Digital

Alignment with national agenda

Industry Panel: Interacting with Practitioners

Integrating STEM in TVET

Enhancing Institutional Arrangements for Effective Skills and Training

Curriculum Guide Writeshop

with the National Institute for Technical Education and Skills Development

120 TESDA Curriculum writers

Train the Trainers Workshop

with the National TVET Trainers Academy

112 TESDA Trainers

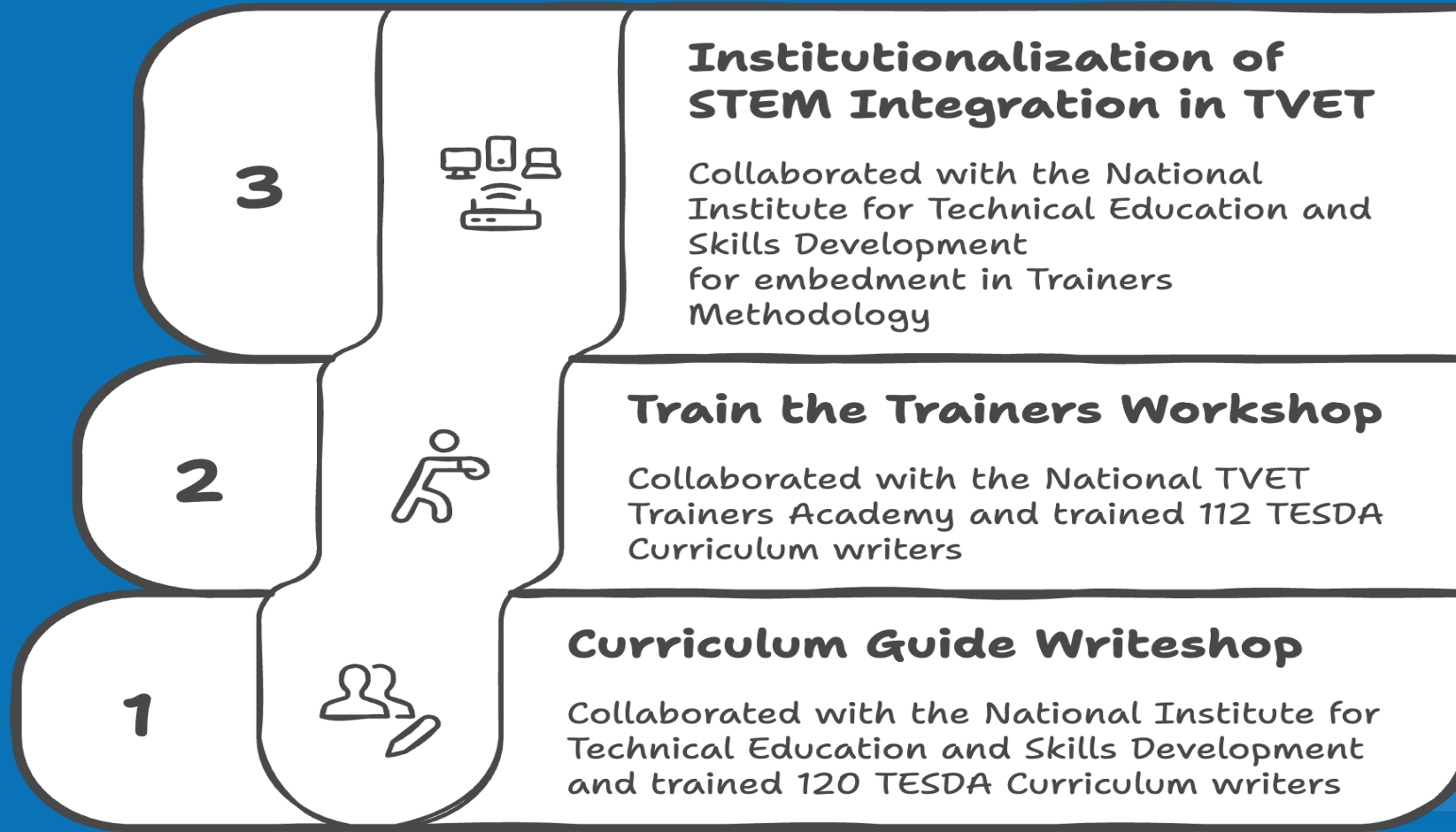
Institutionalization of STEM Integration in TVET

With the National Institute for Technical Education and Skills Development

Training Regulation – Trainers Methodology

Integrating STEM in TVET

Enhancing Institutional Arrangements for Effective Skills and Training



Integrating STEM in TVET

Enhancing Quality and Impact of Training

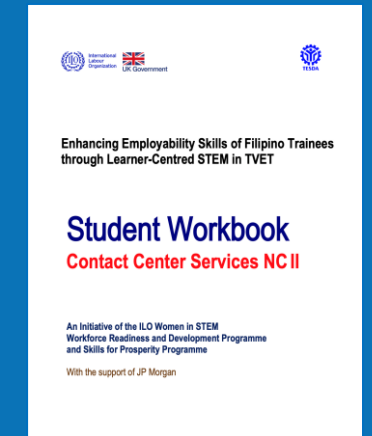
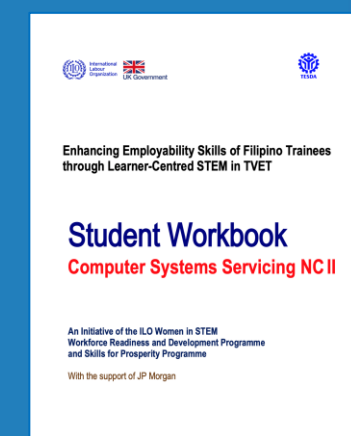
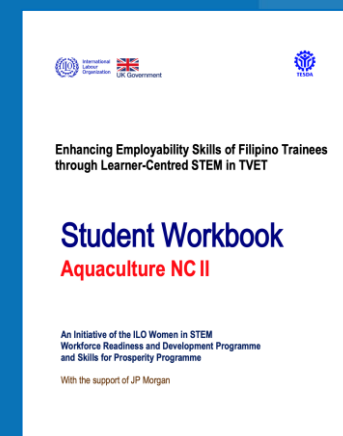
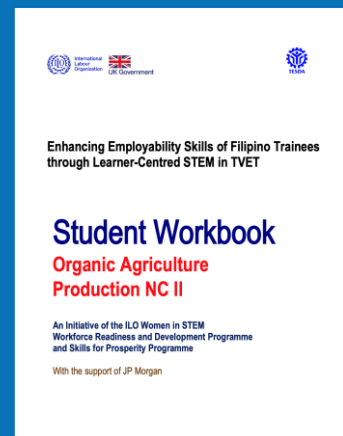
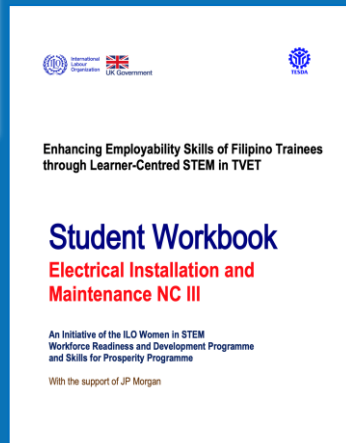
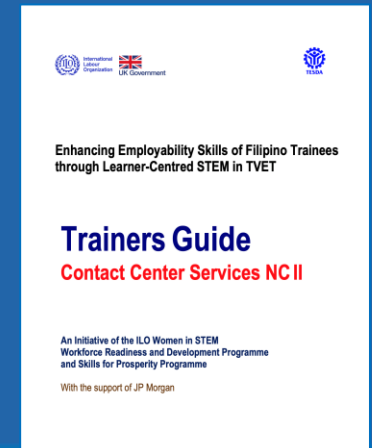
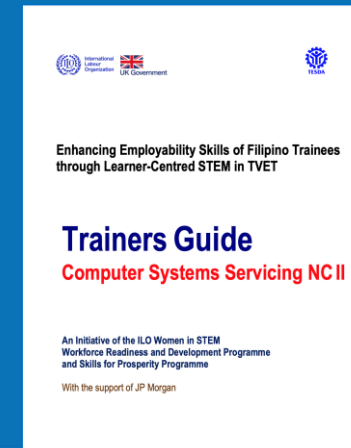
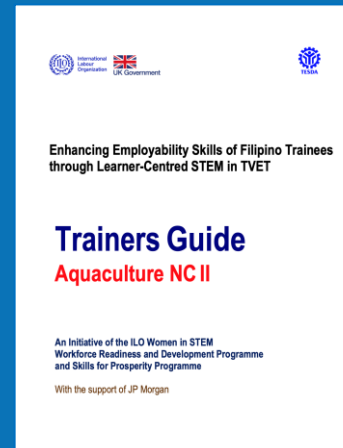
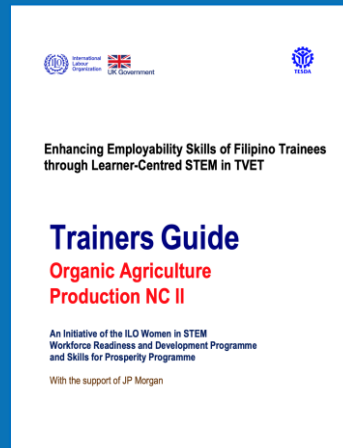
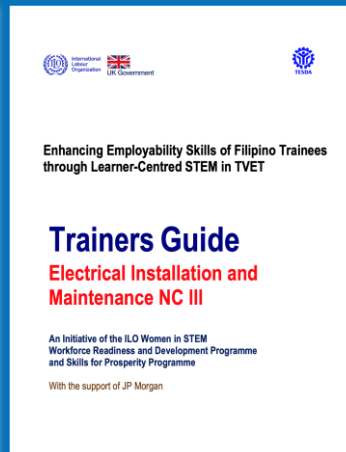
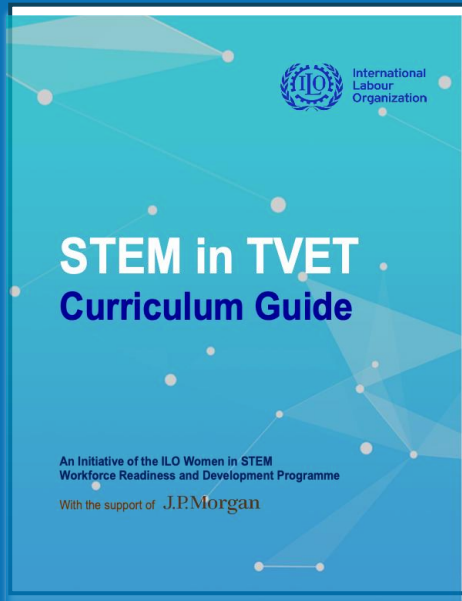


Leveraging Technology



Integrating STEM in TVET

Enhancing Quality and Impact of Training



13 Training Qualifications with Competency-Based Curriculum | 26 Training Qualifications with STEM-oriented Session Plans

Integrating STEM in TVET

Enhancing Quality and Impact of Training



“I saw how the students benefited from the STEM-oriented workbook. They understood the complexity of electrical devices such as a circuit breaker. They also showed better retention of concepts. They also initiated questions indicating genuine interest in connecting theory and practice.”

- Jermy Divinagracia, Trainer

Evaluating effectiveness, Documenting evidence



“The STEM-oriented workbook was a great help. It simplified the concepts and electrical devices. I feel more confident because I understand the wirings much better.”

- Edgar Teleron, Student

Advanced Manufacturing Workforce Development Project

Strengthening Public-Private Collaboration on Skills Development for Industry Transformation



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FROM THE AMERICAN PEOPLE



UNILAB
FOUNDATION



CISTEM
Center for Integrated STEM Education, Inc.



**Open
Learning**



**Western
Digital®**



FASTECH SYNERGY PHILIPPINES INC



**INVESTMENT & CAPITAL
CORPORATION OF THE PHILIPPINES**

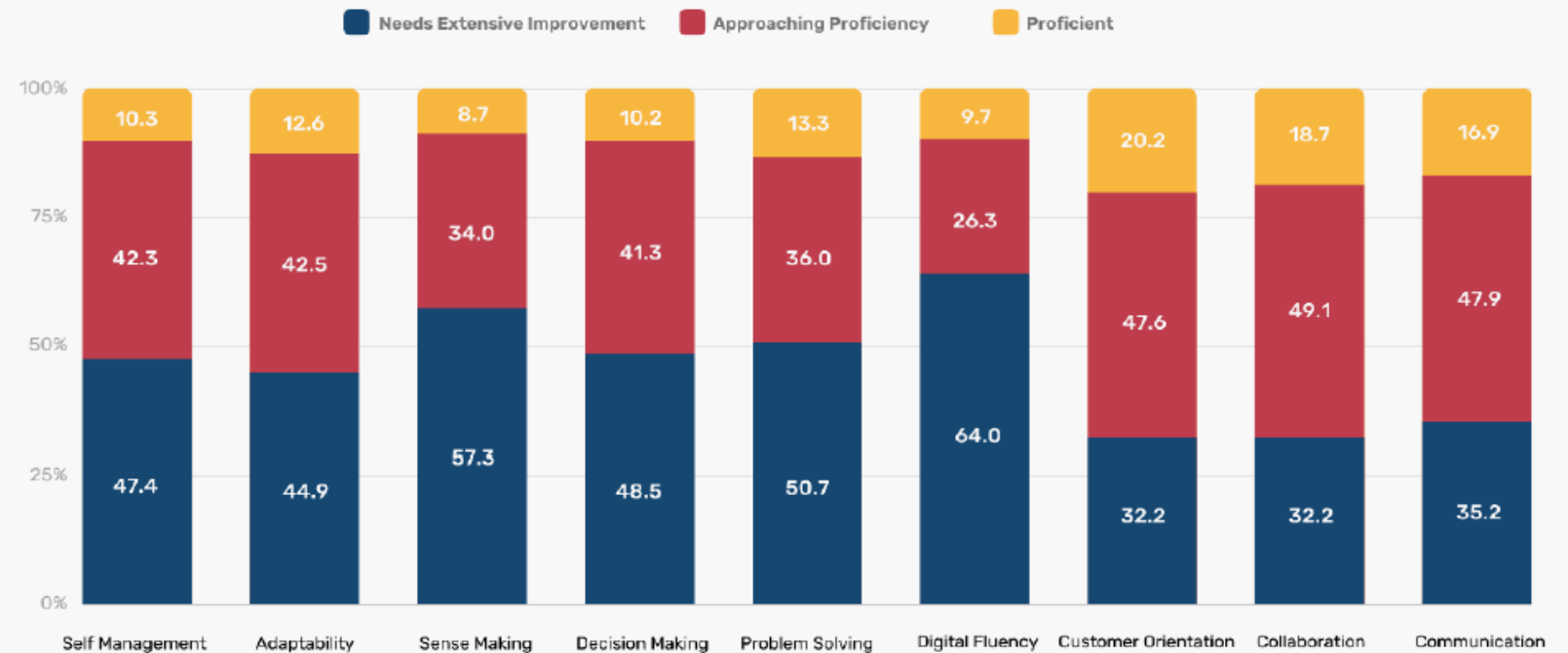


Advanced Manufacturing Workforce Development Project

Aligning Training Supply with Evolving Industry Skills Needs

Respondents: **223** Philippine-based manufacturing companies

PROFICIENCY LEVEL OF JUNIOR PERSONNEL IN ENABLING COMPETENCIES



Advanced Manufacturing Workforce Development Project

Aligning Training Supply with Evolving Industry Skills Needs



LIST OF ENABLING COMPETENCIES

- | | | |
|---|---|--|
|  Adaptability |  Customer Orientation |  Problem Solving |
|  Collaboration |  Decision Making |  Self-management / Professional Skills |
|  Communication |  Digital Fluency |  Sense making / Critical thinking |
|  Learning Agility |  Numeracy | |

**based on the Philippine Skills Framework*

Competency Framework for Production Operators and Maintenance Technicians



Advanced Manufacturing Workforce Development Project

Aligning Training Supply with Evolving Industry Skills Needs

- A catalogue of both **essential** and **higher-level learning** course modules for production operators and maintenance technicians
- Mapping of relevant courses offered by various alliance partners and external training providers across
 - **4 levels: Awareness, Foundational, Advanced, Specialized**



Advanced Manufacturing Workforce Development Project

Enhancing Institutional Arrangements for Effective Skills and Training



*Visiting factories for module development
Interacting with workers*



In-person trainings

Advanced Manufacturing Workforce Development Project

Enhancing Institutional Arrangements for Effective Skills and Training

NEW COURSE!

Unlocking Problem Solving Skills

REACH OUT TO US NOW!

We are all problem solvers.

You are equipped with the skills that you prepare us for the most critical, in-work skills and ability.

"Unlocking Problem Solving Skills" will help you learn different approaches to finding solutions to workplace problems. You will explore techniques to identify challenges in your workplace problems with various perspectives, and utilize problem solving methods that work for you.

Successful trainees will be awarded with a certificate upon completion of the course.

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ADVANCED MANUFACTURING WORKFORCE DEVELOPMENT ALLIANCE
Hosted by CISTEM

NEW COURSE!

Strengthening Numeracy Skills in the Workplace

REACH OUT TO US NOW!

Numbers rule the universe.

This course will help you strengthen your numerical skill in the workplace. Although we often hear of people getting scared of numbers but numerical is not something to be scared of. It's simply about being able to understand and work with numbers.

It includes the ability to recognize numbers, count, estimate, compare, measure, and interpret graphs. This course will refresh you on how numbers concepts can be applied to different ways in the workplace situations.

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

Applying Critical Thinking in the Workplace

REACH OUT TO US NOW!

Successful people think critically.

In today's industrial and technical workplaces, operators and technicians play a critical role in ensuring smooth operations, safety, and efficiency.

This course is related to improve these workers and develop their critical thinking skills. It will help you identify the critical thinking skills needed to excel in their roles and contribute positively to their organizations.

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

Communicating Effectively

REACH OUT TO US NOW!

Communicate effectively.

This course is designed to provide you with the essential skills to communicate with customers, supervisors, and other individuals you encounter in the workplace.

In this module, you will learn how to use the different types of communication. This will help you represent clearly and confidently what will make you better at your job and help you build stronger working relationships with your customers, supervisors, and other people you encounter in the workplace.

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

Smart Decision Making

REACH OUT TO US NOW!

Make sound and effective decisions.

This 10-hour self-paced course is designed to help participants develop essential decision-making skills crucial for success in today's dynamic workplaces. It was designed to help participants in making sound and effective decisions holds significant importance.

Throughout the course, participants will learn critical decision-making skills, such as time management, task prioritization, and goal setting, using real-world scenarios, decision-making tools, and interactive assessments. It also provides some effective tools and techniques for participants to use in applying these skills within their work environment.

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

Developing Self-Management Skills

REACH OUT TO US NOW!

Effectively handle work and life.

The "Developing Self-Management Skills" course is designed to help participants with the necessary skills to effectively manage themselves in the workplace. It aims to assist participants in developing essential self-management skills, such as time management, task prioritization, and goal setting, using real-world scenarios, decision-making tools, and interactive assessments. It also provides some effective tools and techniques for participants to use in applying these skills within their work environment.

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

CUSTOMER ORIENTATION

COMING SOON!

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

ADAPTABILITY

COMING SOON!

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

COLLABORATION

COMING SOON!

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

LEARNING AGILITY

COMING SOON!

Successful trainees will be awarded with a certificate upon completion of the course.

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NEW COURSE!

Making the Most of Digital Technology

REACH OUT TO US NOW!

Digital Fluency for success.

Advancements in digital technology have changed the way we communicate, the way we work, the way we learn, and the way we entertain ourselves. It is important to understand the role of digital technology in our lives.

Understanding the role of digital technology, knowing how to use the digital tools, and knowing how digital tools is best for a particular purpose will help you to become more efficient and more productive in your work.

Successful trainees will be awarded with a certificate upon completion of the course.

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Advanced Manufacturing Workforce Development Project

Enhancing Quality and Impact of Training

PROBLEM SOLVING

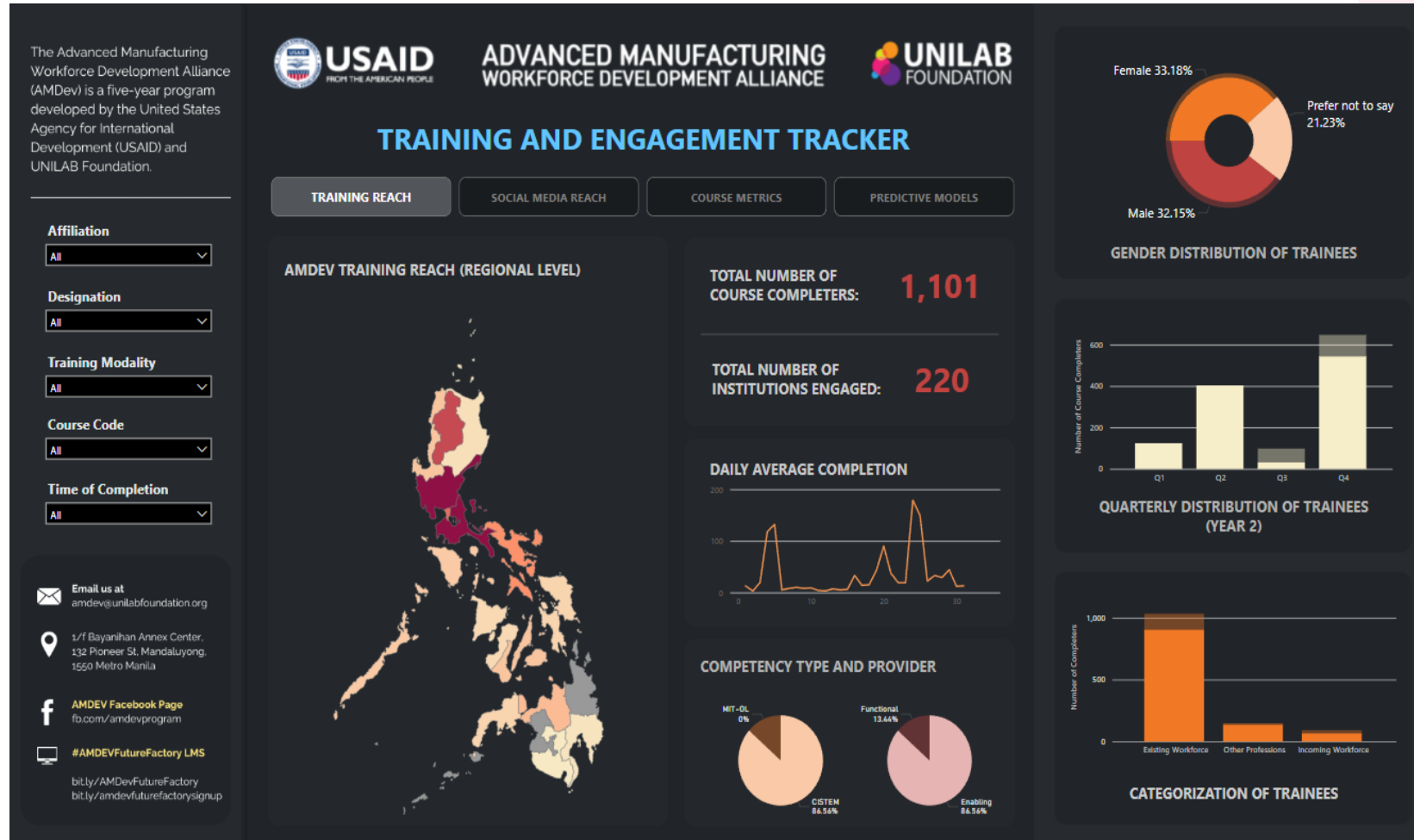
DESCRIPTIVES	PRE-TEST	POST-TEST
Number of participants	141	141
Mean	3.44	5.18
Median	3.00	5.00
Standard deviation	1.76	1.90
Minimum score	0.00	0.00
Maximum score	8.00	10.00

- 72.34% of the participants showed an **improvement*** in their problem-solving scores

	Statistic	df	p	Effect size	
Student's T	10.4	140	<.001	Cohen's d	0.879

Advanced Manufacturing Workforce Development Project

Enhancing Quality and Impact of Training



Effective Practices and Mechanisms for Public-Private Collaboration

- Alignment with national plan
- Harnessing strengths of collaborators
- Development of training resources
- Leveraging technology
- Trainer capacity-building
- Research / Monitoring and Evaluation
- Continuous improvement
- Institutionalization / Policy advocacy
- Synergy with other TVET programs
- Communication strategy and public awareness



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