ASEAN TVET CONFERENCE

ADVANCING DIGITAL AND GREEN TRANSFORMATIONS THROUGH AN INCLUSIVE AND FUTURE-READY TVET SYSTEM

Organised by: HRD CORP · TABUNG PEMBANGUNAN KEMAHIRAN

In collaboration with: International Labour Organization · ASEAN

Supported by: MINISTRY OF HUMAN RESOURCES

In conjunction with: ASEAN YEAR OF SKILLS · ASEAN MALAYSIA 2025 · KESUMA for ASEAN

Airline Partner: malaysia airlines

National Polytechnic Institute of Cambodia (NPIC)

1) NPIC in Brief
2) Leadership Frameworks
3) NPIC's Key Products
4) Key Products Development Processes
5) Competitive Changes
6) Incentives & Services for Inclusiveness
7) Tech Integration in Training
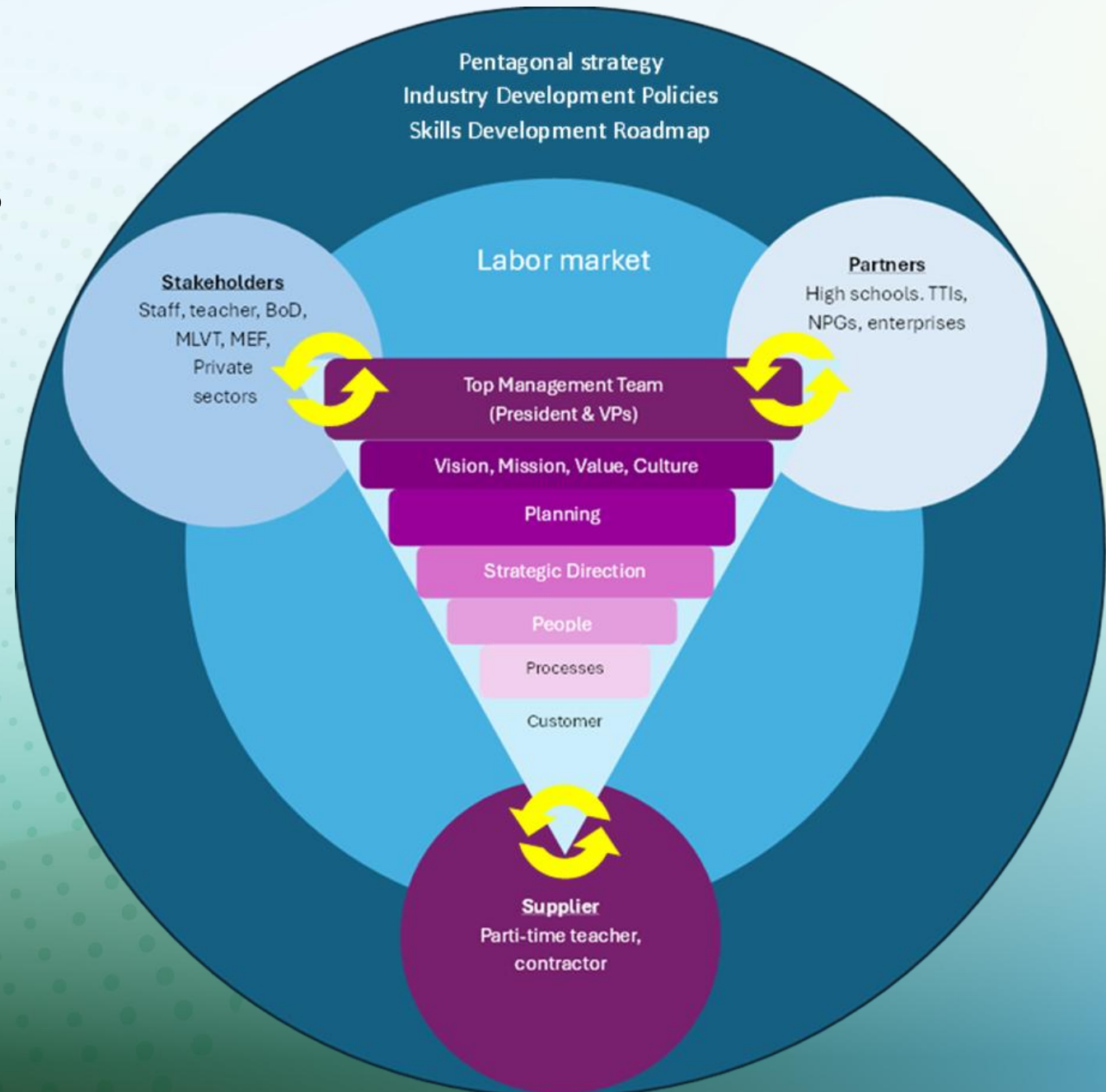8) Partnerships & Training/Equipment

By: SENG SOKHENG

NPIC in Brief

- NPIC: An Autonomous Technical Training Institute

- Land size: 110,000 sqm

- Construction: 2003

- Inauguration: 18th May 2005

- Faculty:9, Center: 2

- Training Shift: Mon-Fri (Full-time), Mom-Fri (Part-time), Weekend

- Training Levels: short-course, certificate, Diploma, Engin., M, PhD
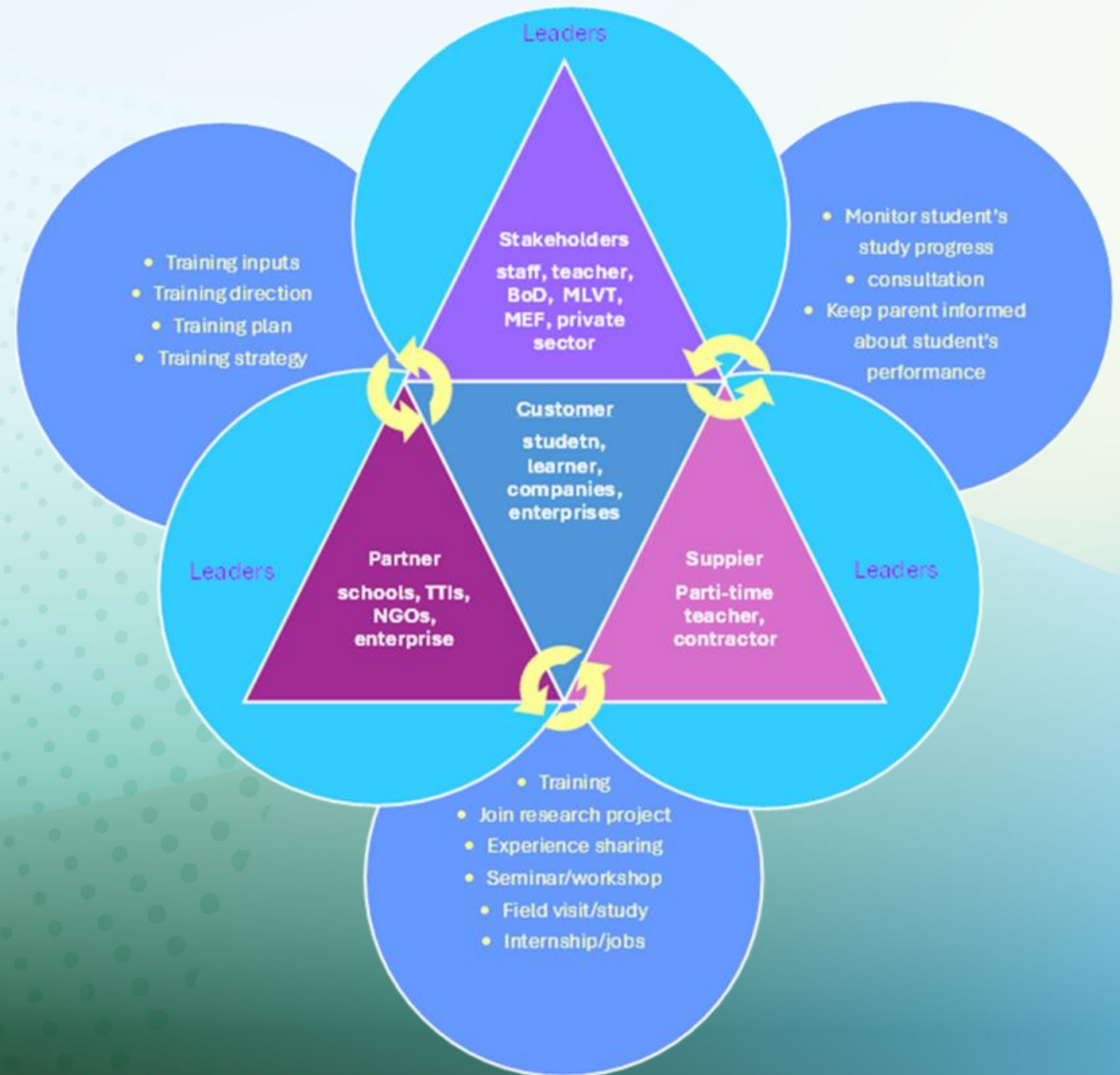
- Board of Director: 9 representatives

Chairman								
Repre. Ministry of labour & Vocatioanl Training								
Member Repre. Ministry of Economy & Financr	**Member** Repre. Ministry of Post & Telecommui nication	**Member** Repre. Ministry of Industry, Sciences, Technology and Innovation	**Member** Repre. Council Developme nt of Caxmbodia	**Member** Repre. Cambodia Chamber of Commerse	**Member** Repre.Min. of Education Youth & Sports	**Member** Repre. Ministry of Mining & Power	**Member** President of NPIC	**Autonomous Member** Repre. NPIC Staff

Leadership Frameworks

Leadership Framework in Training

Leadership Frameworks

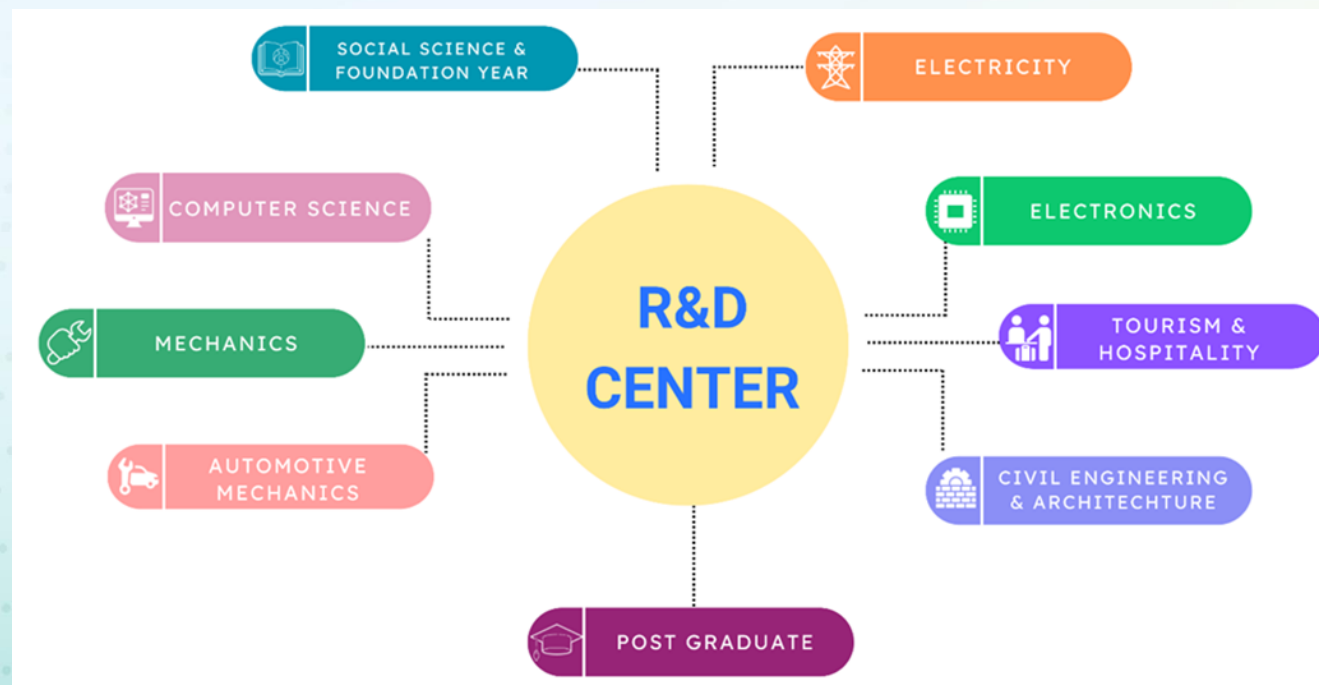## Integrate Planning Framework

Leadership Frameworks

Performance Improvement Framework
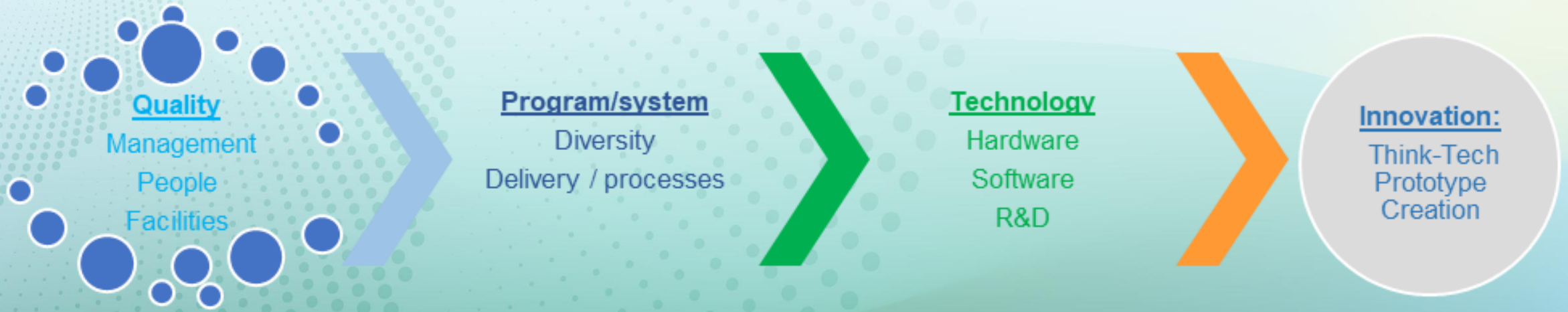
NPIC's Key Products

Levels/Programs	Electricity	Civil Engineering & Architecture	Automobile Mechanics	General Mechanics	Electronics	IT	Tourisms & Hospitality
PhD.	◉	◉					
Master	◉	◉		◉			
Engineering/BA	◉	◉	◉	◉	◉	◉	◉
Diploma	◉	◉	◉	◉	◉	◉	◉
Certificate	◉	◉	◉	◉	◉		◉
Short Course	◉	◉	◉	◉	◉		◉

Key Products Development Processes

Resources — NPIC's ability & resources

Feed back — Investors Partners

Key note — Prime Minister Ministers

1. Direction
Ministry of Economy & Finance
Ministry of Labour and Vocational Training

2. Inputs
Board of Director
Development Partners
Company partners
Dep. Standard & Curriculum (CQF)

4. Improve
Faculty Head
Teacher in specific field of training
Development partners
Private partners

3. Develop & Review
Program development committee:
Fac. Head & teachers of NPIC
Development partners
Private partners

01
02
03
04

Competitive Changes

Quality
Management
People
Facilities

Program/system
Diversity
Delivery / processes

Technology
Hardware
Software
R&D

Innovation:
Think-Tech
Prototype
Creation

Incentives & Services for Inclusiveness

School Fee: 30% Discount for female student
Dormitory: Prioritize to female student with economy shortage & those from the remote areas
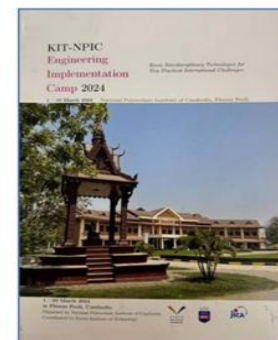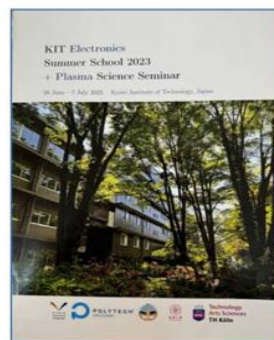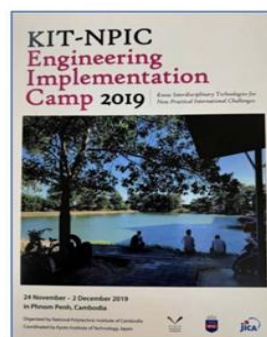**Scholarship allocation: to female and male from poor family, ethnic group...**

Incentives & Services for Inclusiveness

Ex. Exchange Program

Table 1: Exchange Student Programs Overview

Year	Program	Host Institution	NPIC Students	Other Countries
2019	KIT-NPIC Engineering Camp	NPIC	12	Japan: 6
2024	KIT-NPIC Engineering Camp	NPIC	11	Japan: 9
2020	KIT Electronics Summer School (online)	KIT	4	Kazakhstan: 5, Japan: 18
2021	KIT Electronics Summer School (online)	KIT	8	Kazakhstan: 8, China: 11, Japan: 18
2023	KIT Electronics Summer School	KIT	4	Kazakhstan: 4, China: 9, Germany: 7, France: 1, Japan: 8
2024	KIT Electronics Summer School	KIT	4	Kazakhstan: 4, China: 8, Germany: 8, France: 6, Japan: 10

Kyoto Institute of Technology International Center 京都工芸繊維大学国際センター
July 8 ·

The "**KIT Electronics Summer School 2024**" was a great success!

The students developed a machine using Arduino, centered around the theme "人" (hito) which means "human."

Here is a great video that shows how exciting the summer school was and how hard they worked on the project: https://youtu.be/UHIipv9IbgQ?feature=shared

A total of 40 students from Cambodia, China, Germany, France, Kazakhstan, and Japan participated in this intensive two-week program which was led by **Assoc. Prof. TAKAHASHI Kazuo** from the Faculty of Electrical **Engineering and Electronics**.

It was incredible to watch as the students started out with their peers from their own countries, gradually mingled, and ended up becoming close teammates and friends regardless of where they came from.

Congratulations to all! We hope you had a wonderful time at KIT and that you will cherish this experience for your personal and professional growth in the future.

Faculty of Electronics NPIC
Donghua University · International
Kazakh-British Technical University - официальная группа КБТУ
TH Köln
Université d'Orléans
Polytech Orléans

Incentives & Services for Inclusiveness

NPIC's Student Services

Sport & Club

Exchange Program

Internship

Health Aid

Library

School Bus

Campus Cafeteria

Dormitory

NPIC Mart

Internet Wi-Fi

Tech Integration in Training

Components	Operational Use	Who utilizes this component
Hardware	Computers, LCD Projector, and Smartboard are equipped in classrooms and training workshops	• Instructors can effectively demonstrate and explain the lesson, ensuring clarity and understanding for all students. • Students can quickly grasp the material and enhance their learning experience.
Software	Software applications have been created to streamline daily tasks: • Human Resource Management System (Administration Office) • Class Routine/Schedule Management system (Academic Office) • Online Registration System (Academic Office) • Student Verify System (Academic Office) • Library Management System (Library) • Student Payment System (Financial Office) • Dormitory Management system (Dormitory Office) • Inventory Management System (State Property Office)	Individuals in leadership roles, including managers and end-users, can efficiently oversee and expedite the workflow and associated tasks
Networking	High-speed Internet access is available in offices, labs, and on-campus areas like the library, cafeteria, etc.	The Internet is accessible to students, faculties, offices, and lecturers, facilitating independent learning and scholarly inquiry.
Data Center	NPIC utilizes the licensed Cloud Storage of Microsoft SharePoint for document and photo activity sharing and backup	Deploying this cloud service facilitates the digital transformation of NPIC's information and strengthens security measures.
Support Services	R&D team of NPIC facilitates technology innovation and technical support • Robot Competition • Skills Competition • Student Innovation Projects	Students from diverse faculties such as Electronics, Electrical Engineering, Mechanics, and Computer Science receive training and support from lecturers, fostering team spirit and gaining real-world experience through hands-on projects.

Partnership & Training/Equipment

NPIC & -   Guangzhou Trade and Technician College (GZTTC)

Partnerships & Training/Equipment

Huibo Robotic Co., Ltd
"Digital & Intelligent Workshop"
- **Simulation**
- **Automation**
- **AI**
- **Robot Arm**

Partnership & Training/Equipment

Lancang Mekong Vocational Education Center - CNC Machines

Partnership & Training/Equipment

Lancang Mekong Vocational Education Center - Smart Building System

Partnership & Training/Equipment

JICA - Electrical Equipment

Partnership & Training/Equipment

JICA - Automation Production Line

Partnership & Training/Equipment

RCG - Renewable Energy

Partnership & Training/Equipment

Telecommunication – RGC, Japan, US, French, Local Telecom Companies

Thank you!

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