



**Passerelles
Numériques**
A Gateway for Life

Enabling underprivileged youth
to become thriving actors
of the digital world.

**OUR MISSION IN CAMBODIA,
MADAGASCAR, THE PHILIPPINES &
VIETNAM**



ABOUT US

Passerelles Numériques is a French non-profit organization, created in 2005, working in **Cambodia, the Philippines, Vietnam and Madagascar.**



OUR MISSION

INCLUSIVE TECHNOLOGY

We **unlock the potential of underprivileged youth** by empowering them with innovative education in key digital and soft employability skills.

OUR GOAL

Our goal is that each student finds **a quality job aligned with local tech market needs**, allowing them and their families to **escape poverty in a sustainable way** and contribute to the social and economic development of their country.

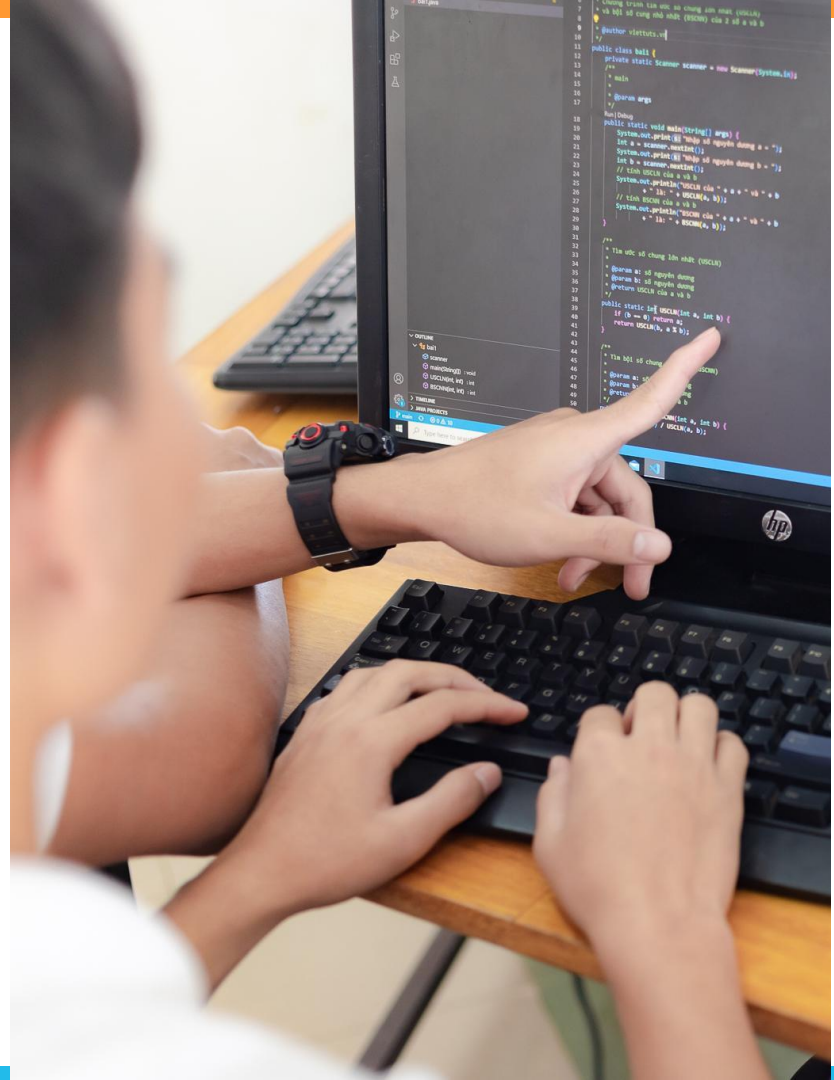
89%

of our students come from rural areas

Alumni send back

30%

of their salary to support their families



OUR GLOBAL IMPACT

Since 2005,



+2,600
alumni



+12,000
people lifted
from poverty

More than half of our alumni are young women.

More than 50% of our students are young women.

WE CONTRIBUTE TO THE SDGs

Passerelles Numériques contributes directly to make **6 of the 17 Sustainable Development Goals** a reality.



OUR FUNDAMENTALS

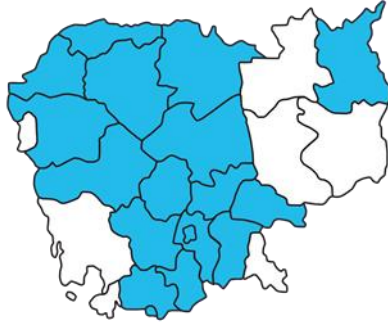
From their selection, the first day of school, until graduation, and their first job, we support each of our students on their journey. We assure that **our training programmes align with current and future market needs** to ensure an up-to-date and high quality training.



OUR MISSION IN CAMBODIA

Launched in 2005 in Phnom Penh, Passerelles Numériques Cambodia (PNC); previously known as CIST, offers a **2 year IT training program** based on a holistic educative approach including technical and soft skills, and a personal development program.

Our students come from different remote areas.



CAMBODIA CONTEXT

Financial difficulties continue to be a barrier for high school graduates to pursue their higher education in Cambodia.

60% of the working poor population survives with **less than \$3 USD a day**. In consequence, many young Cambodians must drop their studies, move to neighboring countries, and end up working in very difficult conditions to send some money home.

77% of the population lives in rural areas and 49% is under 25. Most secondary education is provided on a fee-paying basis, and is therefore **inaccessible to most students, especially in rural areas.**



MODULE 1: Lift-off Module

17 weeks = 434h

- English (136h)
- Math / Logic (66h)
- Learning to Learn (66h)
- Microsoft Office (44h)
- Design (36h)
- Typing (32h)
- Internet (26h)
- Developmental Activities (28h)

MODULE 3: Specialization 42 weeks = 1726h

<p>WEP Programming (776h)</p> <ul style="list-style-type: none"> • English (200h) • Professional Life (100h) • Developmental Activities (50h) 	<p>System & Network Administration (950h)</p> <ul style="list-style-type: none"> • Basic system administration (92h) • Switching & Routing CCNA2 (64h) • Advance System Administration P1 (74h) • Switching & Routing CCNA2 (72h) • Cloud computing (AWS) (48h) • Advance System Administration P2 (66h) • Virtualization and Containerization (70h) • Network Infrastructure (22h) • Cybersecurity (52h) • MikroTik (40h)
<ul style="list-style-type: none"> • Java Script NODE (180h) • VUE.JS (50h) • Database (44h) • PHP (50h) • OOP (50h) • Laravel (48h) • AWS - Development (4h) 	

MODULE 2: Digging into Tech 13 weeks = 604h

- Algorithm (229h)
- HTML / CSS (59h)
- Computer Architecture (46h)
- OS & Main (50h)
- Network Introduction (50h)
- English (100h)
- Professional Life (50h)
- Developmental Activities (20h)

Final Project Virtual Company 2 1 Month (year 2)

- Identifying customer needs
- Project management
- Technical solution
- Final presentation

Professionalization 4 Months (year 2)

- Internship (17 weeks)



OUR IMPACT IN CAMBODIA

149 students

are currently trained in our center.

New group of **75 students**

will join the center in December 2023.

SINCE 2005

1691

graduates

388 USD the graduate's average monthly wage

(average family income before joining PNC is 50 USD)

100%

of graduates are employed within 3 months of graduation

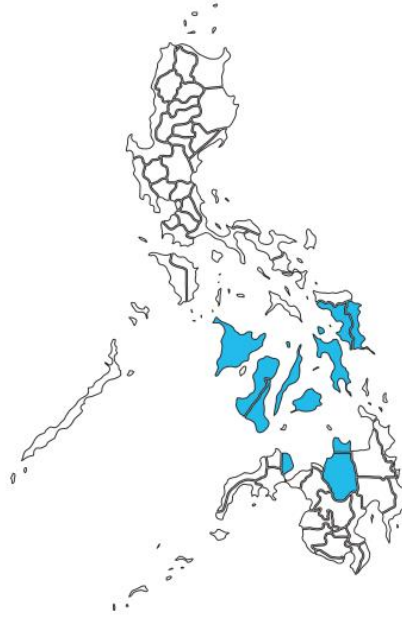
98%

of our graduates work in the IT sector

OUR MISSION IN THE PHILIPPINES

Launched in 2009 in Cebu, Passerelles numériques Philippines (PNPh) offers a **2.5 year IT training program** based on a holistic educative approach including technical and soft skills, and a personal development program.

Our students come from the poorest regions of **Visayas and Mindanao**. These geopolitical divisions form part of the priority areas for economic growth and development.



PHILIPPINES CONTEXT

According to the Philippine Statistics Authority, the Philippines has experienced a **high unemployment rate** of **4.3%** in December 2022 and a **rise in the poverty rate** with over **5.6 million Filipino families** living in poverty with less than 3 USD per day or equivalent to **27%** of the Philippine population.

Among the total unemployed, the young age group (15 to 24 years) comprised 44.6%.

The revenue gap between the richest and the poorest remains as one of the world's largest.





Certificate in Computer Technology (CCT)

PN Philippines



Last Update : April 2019 - NEW

Pre-Training* - 6 Weeks - Lab + Lec = 180h - June (year 1) to July (year 1)

- Introduction to Computers (45h)
- Mathematics (45h)
- English refresh (30h)
- Learning to Learn (30h)
- Communication and Confidence building (15h)
- Scratch Programming (15h)

CORE TRAINING 3 semesters - Lab + Lec = 1224h - August (year 1) to December (year 2)

1st Semester - 396h

- Intro to Computer Science (54h)
- Networking Fundamentals (72h)
- Basic Programming (144h)
- Web Development I (72h)
- Mechatronics* (54h)

2nd Semester - 378h

- Java I (90h)
- Web Development II (90h)
- SQL Databases (72h)
- Software Development Life Cycle - SDLC (72h)
- Software Development Project Based Learning I* (54h)

3rd Semester - 450h

- Java II (144h)
- Web Development III (126h)
- Big Data & NoSQL (72h)
- Architecture of Information Systems (54h)
- Software Development Project Based Learning II* (54h)

Common & Minor Subjects:

- Professional Life Training* (162h)
- National Service Training Program (108h)
- Physical Education (72h)
- Developmental Activities* (108h)
- Education with a Mission (108h)
- Guided online-study* (126h)

SPECIALIZATION (eLECTIVE)

4-weeks bootcamp - 160h - January (year 2)

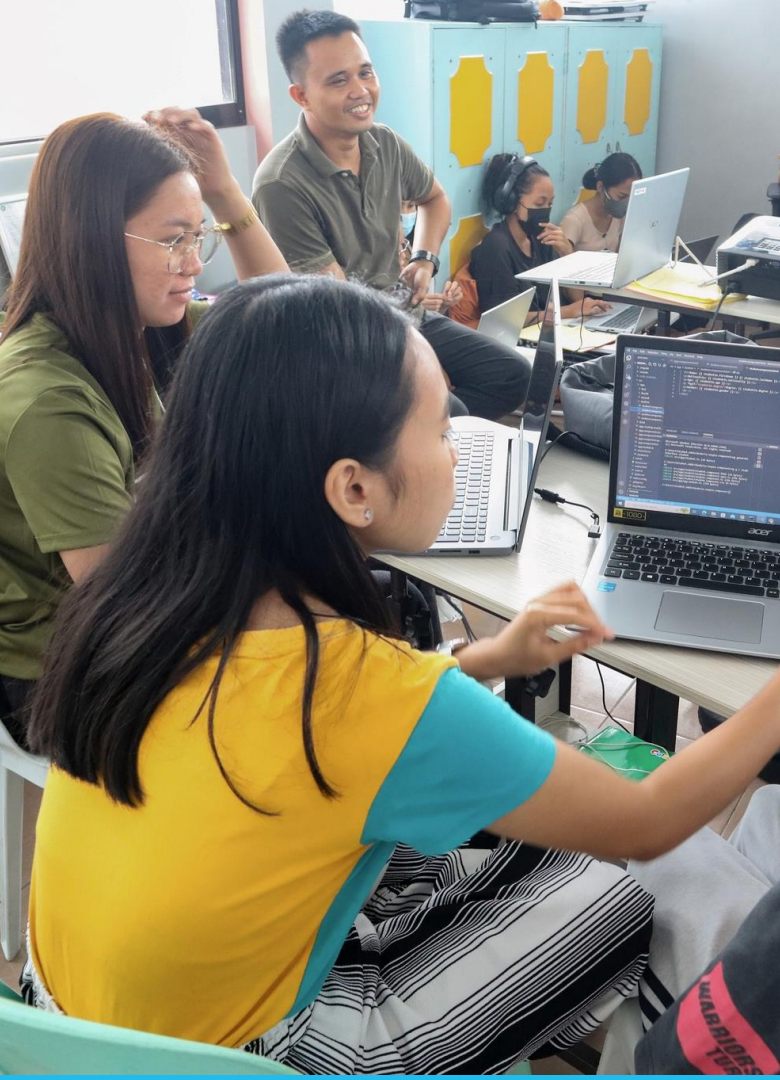
- Java Enterprise Programming
- Front-end development
- Automated Software Testing

PROFESSIONALIZATION

2 semesters - 1800h - Feb. (year 2) to Dec. (year 3)

- On-the-Job Training (1440h)
- Research Methods - Thesis (108h)
- Professional Life Training* (72h)
- Developmental Activities* (72h)





OUR IMPACT IN THE PHILIPPINES



159 students
are currently trained in
our center.

New batch of
70 students
will join the center in
August 2023.

SINCE 2009

646
graduates

555 USD the graduate's average
monthly wage
(average family income before joining
PNPh is 181 USD)

100%
of graduates are
employed within 3
months of graduation

89%
of our graduates work in
the IT sector

OUR MISSION IN VIETNAM

Launched in 2010 in Da Nang, Passerelles Numériques Vietnam (PNV) offers a **3 year IT training program** based on a holistic educative approach including technical and soft skills, and a personal development program.



Our students come from different remote areas, and some come from ethnic minorities.



VIETNAM CONTEXT

The UNDP report recorded in April 2020 shows that the proportion of households living below the poverty line increased from 11.3% to 50.7% due to the COVID pandemic.

With 55.5% of Vietnam's population under 35 years old, today's generation has the best chance to end poverty and serve as an engine for the global fight against inequality.

Yet despite efforts to eradicate poverty in the country, **over 50% of young adults aged 16 to 20 still lack access to education.**



A HOLISTIC & INTENSIVE 3-YEAR TRAINING PROGRAM



Up-to-speed Crash Course

1 semester = 497 periods from September (year 1) to January (year 1)

IT

- Intro to Computer & Windows Admin
- Microsoft Office tools
- Scratch Project
- Computer Architecture and Operating Systems
- Intro to Programming (Python)

English

- Intensive English
- Intro to Communicative English

Soft skills

- Learning
- Employment
- How to: Reports

Ungroup

Core Training 4 semesters = 1893 periods - January (year 1) to June (year 2) + September (year 3) to January (year 3)

Semester 2 510 periods

- Basic Database (MySQL)
- Data Structure & Algorithm (Python)
- Network Fundamental
- Object Oriented Programming (Java)

- Advanced Communicative English 1

- LIL Online Teamwork tools
- Critical Thinking
- Speech and Debate

Semester 3 460 periods

- Advanced Java Programming (Android)
- Basic Web Design (HTML-CSS-JS)
- Basic Web Programming (PHP)
- Advanced Database (SQL)
- Basic Web Project

- General English 3

- LIL Online: Presenting Online
- Communication: Expression & Active Listening
- How to: find a job
- CV & Cover letter writing
- Applications

Semester 4 420 periods

- Information System Analysis & Design
- Advanced Web Design (ReactJS)
- Advanced Web Programming (Laravel)
- Advanced Web Project
- Visual Studio .NET

- Advanced Communicative English: Speaking 1
- Advanced Communicative English: Writing 1
- TOEIC Listening & Reading Preparation 1
- IT English

- How to: find a job 2
- Understanding roles & positions
- Job interviews
- Professionalism & Attitude

Semester 5 503 periods

- Content Management System (WordPress)
- Programming on Mobile (React Native)
- Software Testing (Manual Testing)

- Advanced Communicative English: Speaking 2
- Advanced Communicative English: Writing 2
- TOEIC Listening + Reading Preparation 2

- LIL Online: Seminars in Career orientation
- Project Management
- Entrepreneurship

IT

English

Soft skills

SPECIALIZATION

from January (year 3) to April (year 3)

- Specialization training program of Mobile, Web development, or Automation Testing in tech companies
- Graduation Project

PROFESSIONALIZATION

8 Weeks = 320 periods - June (year 2) to August (year 2)
20 Weeks = 800 periods - April (year 3) to August (year 3)

- On-the-job Training

Interwoven Modules - 555 periods

English Club (60 periods)
Military Education (75 periods)

Physical Education (60 periods)
Developmental Activities (240 periods)

Law & Politics (120 periods)



OUR IMPACT IN VIETNAM



129 students
are currently trained in
our center.

New batch of scholars of
~50 students
will join the center in
November 2023.

SINCE 2010

462
graduates

446 USD is the graduate's
average monthly wage
(average family income before joining PNV
is 53 USD)

95%
of graduates are
employed within 3
months of graduation

92%
of our graduates work in
the IT sector

OUR MISSION IN MADAGASCAR

Launched in 2022 in Antananarivo, Passerelles Numériques Madagascar (PNM) offers a **one-year preparatory training** between the end of high-school and higher studies. It is based on a **holistic educational approach**, combining key technical competences, soft-skills, and a personal development program.



Our students come from 9 different provinces of the island.



MADAGASCAR CONTEXT

Madagascar is one of the five poorest countries in the world, with 76% of its population living below the extreme poverty line and only 11% of the Malagasy population holding a formal job. Two-thirds of the population is under 25 years old, and 500,000 young people enter the labour market each year. The enrolment rate is 76% in primary education, 27% in secondary education and drops to 13% for higher education. Children enter the labour market at a very low age (in 2018 41% of 5- and 11-year-olds were participating, 36% of which were involved in economic activities).

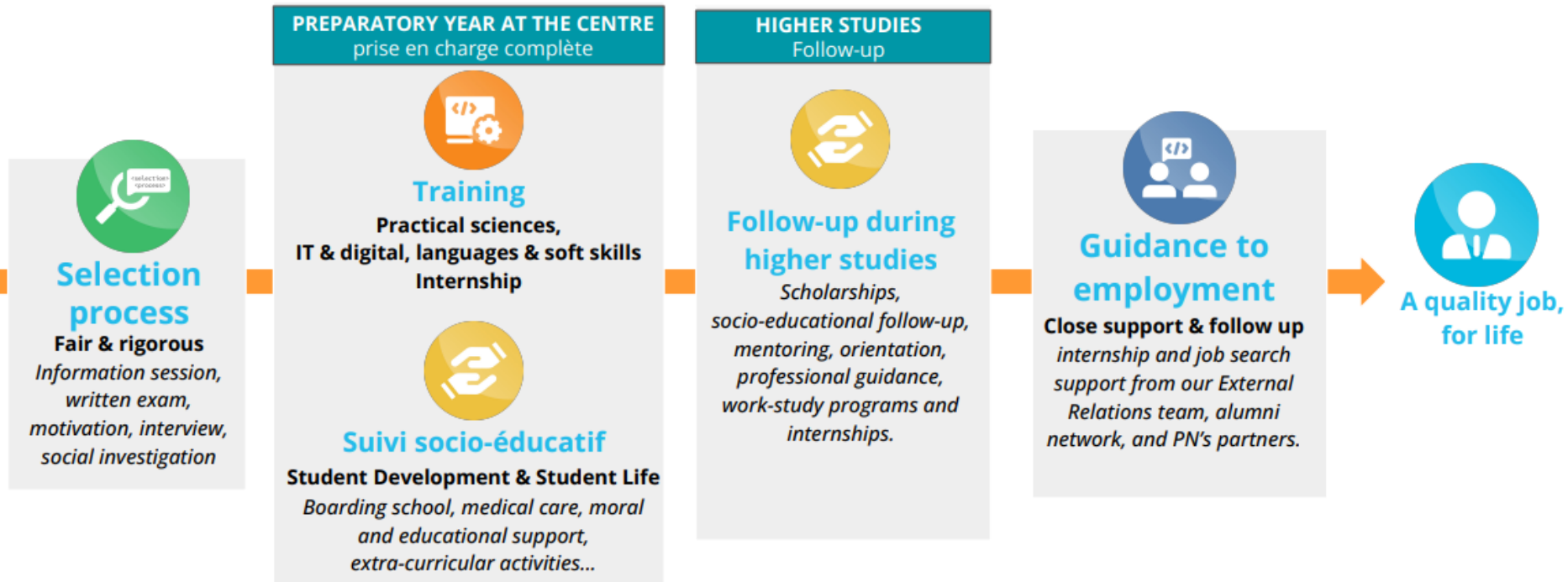
7500 profiles are needed each year to meet the needs of the digital sector, while only 700 students are trained annually.



OUR FUNDAMENTALS

From their selection, the first day of school, until graduation, and their first job, we support each of our students on their journey.

We assure that **our training programmes align with current and future market needs** to ensure an up-to-date and high quality training.





OUR IMPACT IN MADAGASCAR

50 students
currently supported by PNM.

25 students
at the centre
46% are girls.

25 students
from the 1st promotion,
have entered recognized higher
education institutions in the country. We
continue to support them:



Global care over the year



socio-éducatif
follow-up



scholarships

The next promotion of **50 students**
will join the centre in November 2023

STORIES



After studying at PNC for almost a half year, I have noticed that I have changed my mindset. My dreams got bigger.

After graduating from PNC, I would love to continue my studying as well as working to gain more experience at the same time. And I also dream to contribute what I have learned from PNC and University into my community as well.

I have no doubt that PNC is the right place to change underprivileged youths' lives to be better.

Chhim Sopheak, PNC class of 2023



"I'd like to express my gratitude for the opportunity that has been provided to me. I'm glad I became a member of the PN family. It was a gift that enabled me to further my education. I have accomplished much of what I never thought possible during the first and second semesters in spending almost 2 years, thanks to PN assistance. I am proud to say that I worked hard to get where I am, but I could not have completed it without PN. We're almost there, on the verge of our success. (...) I hope that more underprivileged students will benefit from the scholarship that you (PN) provide. And we hope that you will never stop supporting those students who have aspired to success and a way out of poverty."

Shakera Joy, PNPh, class of 2023



"I will not give up and I will continue in digital until I become a network administrator. Thanks to PN team, I learned a lot and I was able to integrate companies and a good training."

Nicolas, 1st promotion, from Tamatave, currently following a bachelor's degree in HEI.



"I applied to PNV with a belief that only PNV would provide me with a gateway to a qualified job, and a better life. Today I'm sharing with you my achievement. Not only have I just graduated after 3 years of intensive training, but I also got a job at an Australian bank two months before graduation. My salary now is more than 4 times Vietnam's statutory minimum wage per month in 2022. I'm proud of myself, and I'm sure my parents are, too."

Hồ Thị Hươu, PNV class of 2022, a Van Kieu ethnic minority, from a rural area and an underprivileged family in Quảng Trị.





MIT Solve Global Challenges finalist in
2017 and 2021



Fondation RAJA Women's Awardee



Thank You!





CONTACT

Karyn Mikkelsen-Tillet, Global Director Partnerships & Communication

karyn.mikkelsen-tillet@passerellesnumeriques.org



WWW.PASSERELLESNUMERIQUES.ORG