

A Passerelles Numériques project

# Targeted and certified IT training

100% of the 19 first graduates (Oct. 2007) are employed.

87% of the 51 second year graduates (Oct. 2008) found a job within the first month after the end of their studies at CIST.

The average salary for a CIST graduate is 3 to 4 times the national average.


50% to 70% of our graduates' salaries go to their families, supporting approximately 5 people who can in turn invest on their future in terms of health, education, food and equipment.

Within 2 years, each graduate earns the equivalent of the amount that was invested in his/her training.



មជ្ឈមណ្ឌល  
Centre for  
មណ្ឌលស្រាវជ្រាវបច្ចេកវិទ្យាព័ត៌មាន  
Information Systems Training

RESPONSIBILITY | TRUST | SOLIDARITY



## Ensuring quality

CIST certifies the quality of its training by:

- Rigorous and ongoing follow up of individual students

- A qualified team of 25 teachers graduated from the best universities in Cambodia (ITC, RULE, IFL, ...), whose skills are acknowledged through worldwide recognized certifications

- The expertise and collaboration of recognized professionals including:

- **CISCO:** As a CISCO Networking Academy, CIST benefits from training contents, equipment and training of trainers directly delivered by our partner

- **ITC (Institute of Technology of Cambodia)**, the leading engineering school of Cambodia, works with CIST on curricula development, training of trainers and pedagogical best practices

- **SUPINFO**, a graduate school of Computer Science based in France and China, provides CIST with training contents and expertise through volunteer missions

- The participation of the students in IT contests. CIST students were awarded 1st and 3rd places in the NetRider 2008 competition organized by CISCO Networking Academy and Institute of Technology of Cambodia in November 2008.

CIST SNA training has been certified as Associate Degree by the Cambodian Ministry of Education.



## A company-oriented approach

- **Company visits and conferences:** CIST regularly organizes company visits and conferences with IT professionals so that the students fully understand the uses of IT and the required skills in their future professional environment.

- **Internships and work-and-study:** CIST prepares students to become IT professionals through:

- A 2-month internship for the SNA first year (August-October)

- A 8-month work-and-study for the SNA second year (March-October)

- A 5-month internship for the DOP second year

### Objectives:

- For the students: gain experience and autonomy, demonstrate their professional and technical skills and begin defining their future professional role.

- For the companies: appreciate students' capacity, share experience, take an active role at the side of CIST in building human resources for their future and that of Cambodia.

## A fair & selective entry process

To enter CIST, all students must go through a countrywide selective entry process, covering 20 provinces:

- Level 12 is a compulsory pre-requisite (High school degree required for SNA and DOP)

- Logics, Mathematics and English written tests

- Individual interviews to evaluate maturity, affinities with IT and motivation

- Social verification to ensure a match with CIST's social criteria

Class of 2007: 25 students out of 120 candidates (i.e. enrollment rate of 22%)

Class of 2008: 67 students out of 840 candidates (i.e. 8%)

Class of 2009: 86 students out of 1350 candidates (i.e. 7%)

Class of 2010: 97 students out of 1850 candidates (i.e. 5%)

EXCELLENCE IN PRACTICAL TRAINING  
HIGH QUALITY EQUIPMENT  
ONE COMPUTER PER STUDENT FOR PRACTICE  
STRONG FOCUS ON PRACTICE AND REAL CASE SIMULATIONS

ENGLISH  
TRAINING ON PROFESSIONAL BEHAVIOR AND BUSINESS VALUES  
TRAINING INCLUDES FULL-TIME AND WORK-AND-STUDY  
INTERNSHIPS

## Our training

CIST was launched in October 2005 with the support of local NGOs and with a strong vision to:

- Efficiently train a large number of disadvantaged students and help them access qualified jobs
- Actively and concretely contribute to the development of business opportunities in the IT sector



Depending on their abilities and expectations, CIST students can choose one of the three following options:

### SNA training (2 years - Total of 3105 hours)

The **SNA** curriculum offers our students the **Systems and Networks Administration** skills required by the current Cambodian IT market. 119 students have been trained, 132 students are currently being trained.

### Wireless Communications Technicians training (6-month evening courses - Total of 280 hours)

Since October 2008, SNA graduates wishing to build a career in Telecommunications have the opportunity to attend a **Wireless Communications Technicians training**. This training enables the young technicians to acquire both SNA and WCT in order to match efficiently the needs of Telecommunications companies.



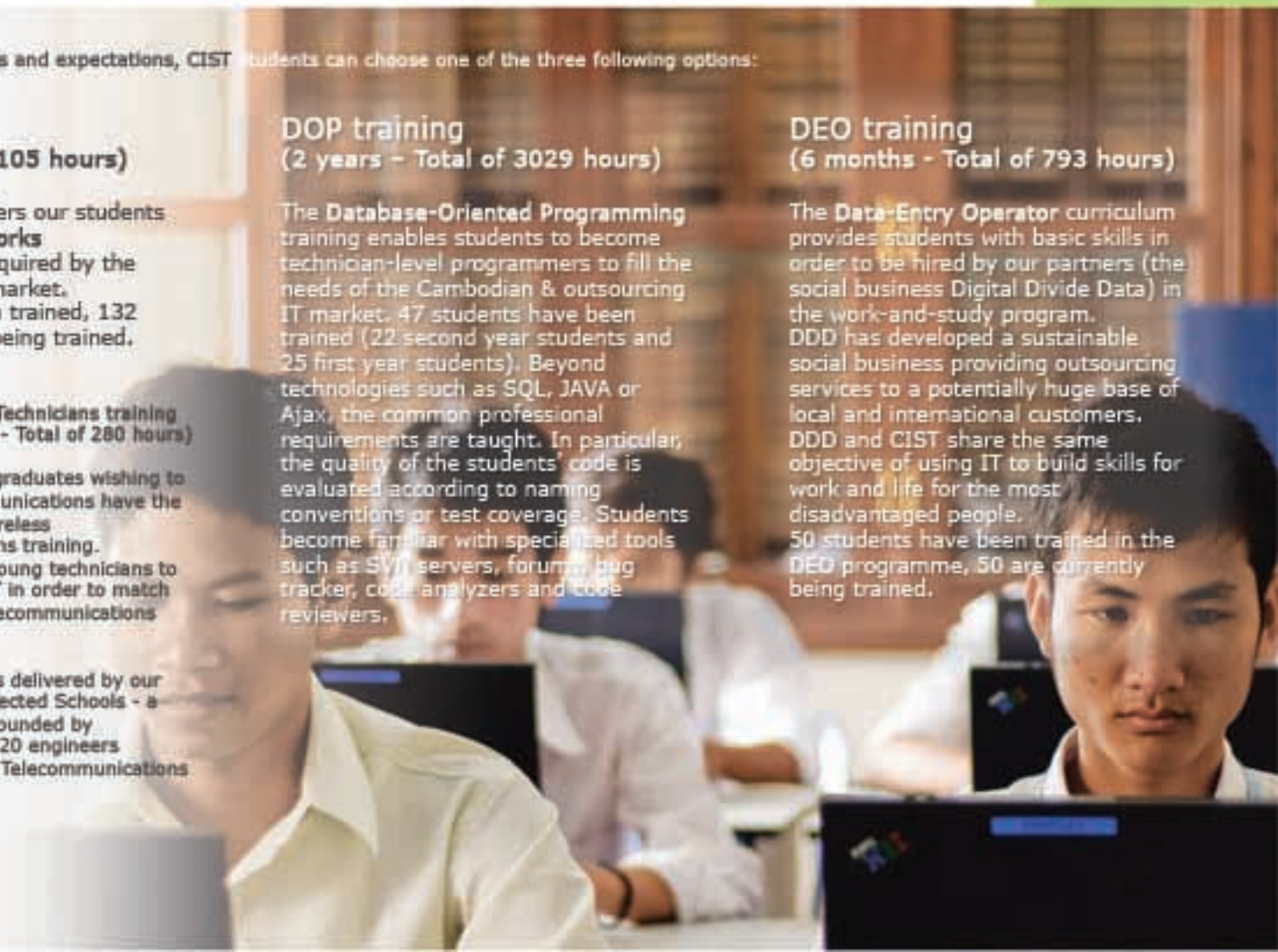
The training is delivered by our partner, **Connected Schools** - a French NGO founded by approximately 20 engineers specialized in Telecommunications systems.

### DOP training (2 years - Total of 3029 hours)

The **Database-Oriented Programming** training enables students to become technician-level programmers to fill the needs of the Cambodian & outsourcing IT market. 47 students have been trained (22 second year students and 25 first year students). Beyond technologies such as SQL, JAVA or Ajax, the common professional requirements are taught. In particular, the quality of the students' code is evaluated according to naming conventions or test coverage. Students become familiar with specialized tools such as SVN servers, forums, bug tracker, code analyzers and code reviewers.

### DEO training (6 months - Total of 793 hours)

The **Data-Entry Operator** curriculum provides students with basic skills in order to be hired by our partners (the social business Digital Divide Data) in the work-and-study program. DDD has developed a sustainable social business providing outsourcing services to a potentially huge base of local and international customers. DDD and CIST share the same objective of using IT to build skills for work and life for the most disadvantaged people. 50 students have been trained in the DEO programme, 50 are currently being trained.



# RESPONSIBILITY | TRUST | SOLIDARITY

CIST benefits from the know-how and the support of NGOs, companies and institutions such as:



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www.cistain.org | www.passerellesnumeriques.org

From year to year, more and more companies are welcoming CIST Interns and hiring CIST graduates!

Action Group - Australian Center for Education - Siem Reap - Allweb - AMRET Microfinance Institution - Angkor Gate Tour - Asia Flour Mill - Asia Form - Auram - AZ Communication - Baktouk Computer Center - Blue Technology - Bophana Audiovisual Resource Center - Cadcomms - Camnet - Cambodia Online - Cambrew - Camshin - Camtech Computer - CCFC - Chhay Hok Computer - CIEDC - CIGM-CMSC - ConicalHat - Crown Beverages - DEAM Computers - Digital Advertizing - Digital Divide Data - Educatech - Espore - Europ Continents -First Cambodia - Friends International - Gaeasys - Geolink - UN Food and Agriculture Organization - Geres - Global Tech Network Services - GMAC - GRET - Hagar - Handicap International - Siemreap - HATTHA KAKSEKAR - HR Inc. - Indochina Research - Institut Pasteur - Interquess - IT Global Computer - KhmerDev - Manich - MCD - MD-POS - Medecins du Monde - Medicom - NAGA Clinic - National Bank of Cambodia - New Humanity - New World Institute - Nokia-KHT - Nokor IT - Ogilvy Action Cambodia - Open Institute - Pepy - Phnom Penh Computer Technology - PSE - PPML - PTC - R.M. Asia - Red Ant - SCA - SFPDA-Siem Reap - Solaris - TCE International - Te Aik HONG - Thakral - TSH Marketing Agency - Veasna Computer - Yejj - Yellow Pages - Woolk International Cambodia



CIST is a pilot project which was created by Passerelles Numériques.

Passerelles Numériques aims at reducing the digital separation which exists today, especially by offering access to education and employment opportunities through personal and professional development programs to the most underprivileged populations.

As a result of CIST's success, Passerelles Numériques is currently planning to grow to other provinces and countries, with the same objectives but optimized means, in order to gear up the benefits from the expertise developed.

In 2009, two new Centers will be launched in the Philippines (Cebu) and Vietnam (Danang).

Seven additional Centers are planned to open by 2012 in order to pull 1000 students yearly out of poverty.