





ឥន្ទូរសាស្ត្រនៃពេទ្យអគ្គនាយកដ្ឋាន

Institut de Technologie du Cambodge

Institute of Technology of Cambodia

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International Centre of Excellence in
Water Resources Management



Founded in 1964

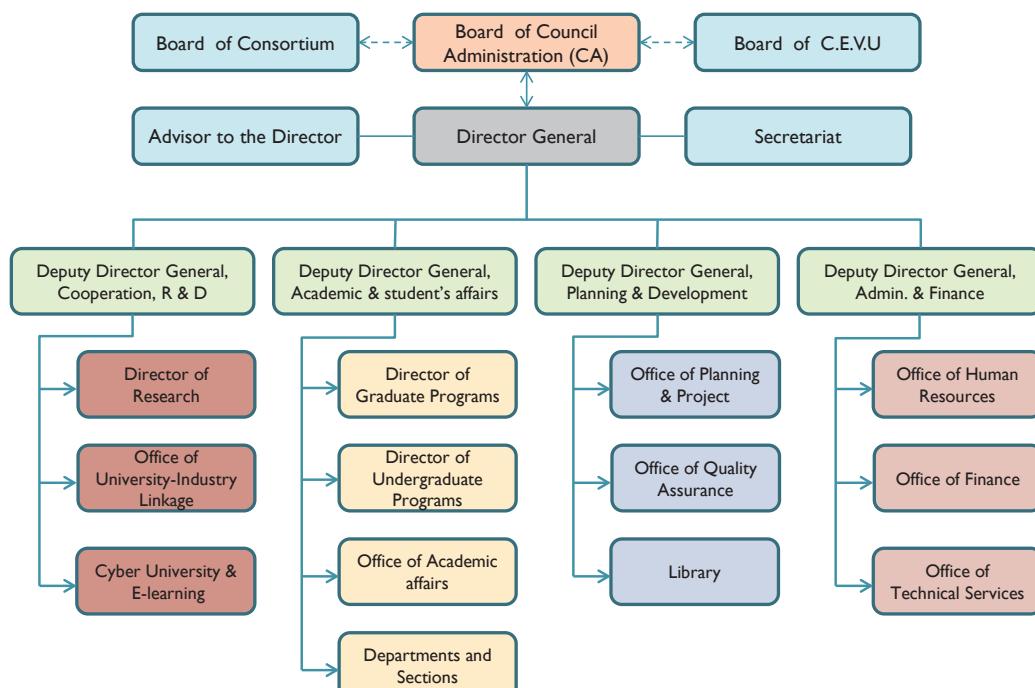


History of ITC

- 1964 - 1975 : Cambodia – Soviet Union
- 1980 - 1993 : Soviet Union
- 1993 - present : French Government,
AUF, CUD, JICA, KOICA...
- **Goal:**

High quality of education in engineering fields, science and technologies

Administration of ITC





Consortium Members

- 1 - Université de Limoges (France)
- 2 - Université Claude Bernard Lyon I (France)
- 3 - Université du Sud Toulon-Var (France)
- 4 - INSA de Rennes (France)
- 5 - Université de la Rochelle (France)
- 6 - INP de Toulouse (France)
- 7 - Université de Pau et des Pays de l'Adour (France)
- 8 - Institut National Supérieur des Sciences Agronomiques de l'Alimentation et de l'Environnement - Agrosup Dijon (France)
- 9 - Université Libre de Bruxelles (Belgium)
- 10 - Université de Liège-Gembloux Agro-Bio Tech (Belgium)
- 11 - Kyushu University (Japon)
- 12 - Tokyo Institute of Technology (Japon)
- 13 - Kasetsart University (Thailande)
- 14 - Institut Polytechnique de Hanoi (Vietnam)



Consortium Members

- 15 - Université de la Réunion - CIRUISEF (France)
- 16 - Université de Polytech Lille (France)

Professional sectors:

- 1 - Cambodian National Petroleum Authority (Cambodia)
- 2 - French – Cambodian Chamber of Commerce
- 3 - Coca Cola Company
- 4 - KhmerDev

Council of Administration Members

- President (Secretary of state of MoEYS)
- Min. Education, Youth and Sport
- Min. Economy and Finance
- Min. Industry, Mines and Energy
- Director of ITC
- Representative of ITC's lecturers
- Representative of ITC's student alumni
- French Embassy
- Japanese Embassy
- CUD (Belgium)
- AUF
- AUN/SEED-Net
- Representative of Consortium
- IPH (Vietnam)
- French – Cambodian Chamber of Commerce
- National / International enterprises
- ITC's direction board

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University or Institution		Country
1	Ubon Rajathanee University (URU), September 2008	Thailand
2	Asian Institute of Technology (AIT)	Thailand
3	Université d'Architecture de Hanoi (UAH)	Vietnam
4	Institut Polytechnique de Hanoi, pour être membre du consortium international d'appui à l'ITC pour la période 2009-2013, signé le 2 mai, 2008	Vietnam
5	MICA International Research Center - Hanoi University of Technology	Vietnam
6	Institute Polytechnic of Singapore	Singapore
7	University of Kuala Lumpur (February 21st, 2008)	Malaysia
8	De la Salle University (DLSU) (Oct. 8th, 2007)	Philippines
9	University of Philippines (UP) (12/11/06)	Philippines
10	Indian Institute of Technology, Bombay (IITB)	India
11	Tokyo University of Agriculture and Technology (TUAT), April 1st, 2005-March 31st 2010.	Japan
12	Kochi University Technology (KUT) (Renewed on March 13th, 2008)	Japan
13	INJE University	Korea
14	Woosuk University	Korea
15	Korean Technology Foundation (KOTEF)	Korea
16	Institute of University Technology of Toulon-Var (IUT de Toulon)	France
17	Université du Havre (UH)	France
18	Université Paris XII	France
19	ENSBANA Bourgogne (Dijon)	France
20	Faculté Polytechnique de Mons	France
21	INP – ENSEIHT de Toulouse	France
22	INSA Lyon	France
23	ESIEE de Paris	France
24	INSA de Rennes	France

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25	Université de Bourgogne (UB)	France
26	ULB, Renouvellement du consortium international d'appui le 25 avril 2008	Belgium
27	Université Pierre et Marie Curie G. Béréziat	Belgium
28	Faculté Universitaire des Sciences Agronomiques de Gembloux	Belgium
29	Turku School of Economics (March 31st, 2008)	Finland
30	Viikki Tropical Resources Institute (VITRI), University of Helsinki (UH/VITRI): Sept 29th, 2008	Finland
31	Université Laval à Québec (ULQ)	Canada
32	WaterEd Australia Pty Ltd trading as the International Centre of Excellence in Water Resources Management (ICE Warm)	Australia
33	Tokai University (TU), Nov 2008	Japan
34	Turku School of Economic	Finland
35	K-Cement (Usine de fabrication de Ciment)	Cambodia
36	Changwon National University	Korea
37	Chung-Ang University	Korea
38	Kanazawa University	Japan
39	Chip Mong Concrete (entreprise privé)	Cambodia

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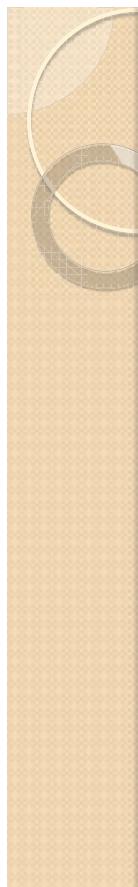
40	Delft University of Technology, 13 avril 2011	Netherlands
41	GRANT AID, 25 janvier 2011	Japan
42	Université Paul Sabatier de Toulouse, 25 janvier 2011	France
43	SCHNEIDER (compagnie française au Vietnam), 16 septembre 2010	Vietnam
44	Travinh University, 16 septembre 2010	Vietnam
45	Kunsan National University, 06 May 2013	Korea
46	Coca-Cola Cambodia	Cambodia

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University networks

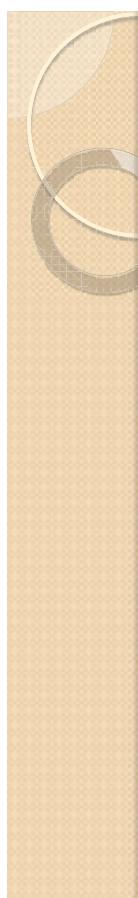
1	AUN/SEED-Net: Southeast Asia Engineering Education Development Network (AUN/SEED-Net) there are 19 university members, and 11 universities in Japan http://www.seed-net.org	Southeast Asia -Japan
2	School of Internet (SOI)	Asia-JP
3	Great Mekong Sub-region Academic Research Network (GMSARN)	Asean
4	Commission Universitaire pour le Développement (CUD)	Belgium
5	Agence Universitaire de la Francophonie (AUF)	AUF





The Agence universitaire de la Francophonie (AUF) (Francophone University Association) is a global network of French-speaking higher-education and research institutions. Founded in Montreal, Canada in 1961. the AUF is a multilateral institution supporting co-operation and solidarity among French-speaking universities and institutions. It operates in the French-speaking countries of Africa, the Arab world, Southeast Asia, Central and Eastern Europe, and the Caribbean. The AUF has 786 members (public and private universities, institutes of higher education, research centers and institutions, institutional networks, and networks of university administrators) distributed throughout francophone countries. It is active in 98 countries, and represented by regional offices and information centers on campuses and in institutes. The Association receives funding from La Francophonie, and its headquarters are located at the University of Montreal.

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Program ERASMUS MENDUS

1. **Euro-Asia (2009~2013)** <http://www.em-euroasia.org/>
2. **MAHEVA (2010~2015)** <http://www.maheva.eu/>
3. **TECHNO (2011 ~2016)** <http://www.techno-em.org/>
4. **TECHNO-2 (2012 ~)**
5. **PANACEA (2012~)**



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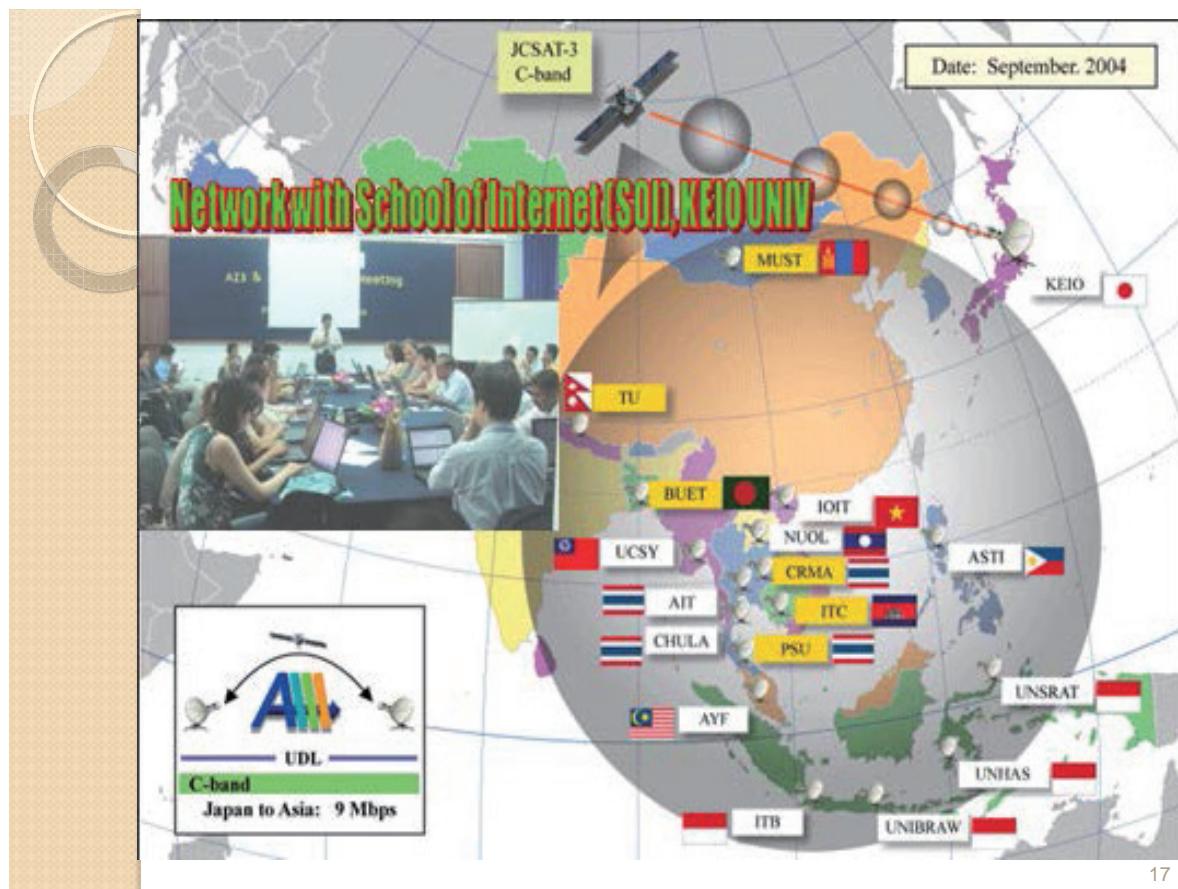
AUN/SEED-Net

To date the Network consists of 26 leading Member Institutions (selected by the Ministries in charge of higher education of respective countries) from 10 ASEAN countries with the support of 14 leading Japanese Supporting Universities (selected by Japanese Government).

AUN/SEED-Net is mainly supported by the Japanese Government through the Japan International Cooperation Agency (JICA), and partially supported by the ASEAN Foundation. AUN/SEED-Net activities are implemented by the AUN/SEED-Net Secretariat with the support of the JICA Project for AUN/SEED-Net, now based at Chulalongkorn University, Thailand.

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<p>Cambodia Institute of Technology of Cambodia Royal University of Phnom Penh</p> <p>China Kunming University of Science and Technology Yunnan University Guangxi University</p> <p>Laos National University of Laos</p> <p>Myanmar Yangon Technological University</p> <p>Thailand Asian Institute of Technology Khon Kaen University Thammasat University</p> <p>Vietnam Hanoi University of Science and Technology Ho Chi Minh City University of Technology</p> <p>Associate members Thailand Nakhon Phanom University Ubon Rajathanee University Laos Mekong River Commission</p>	<p>GMSARN Greater Mekong Subregion Academic and Research Network</p> <p>Welcome ! GMSARN</p> <p>The Greater Mekong Sub-region Academic and Research Network (GMSARN) is a network of academic and research institutions in a Greater Mekong sub-region.</p> <p>Its mission is to carries out activities in human resources development, joint research, and dissemination of information and intellectual assets generated in the region. With an emphasis to complementary linkages between technological and socio-economic development issues.¹⁰</p> <p style="text-align: right;">16</p>
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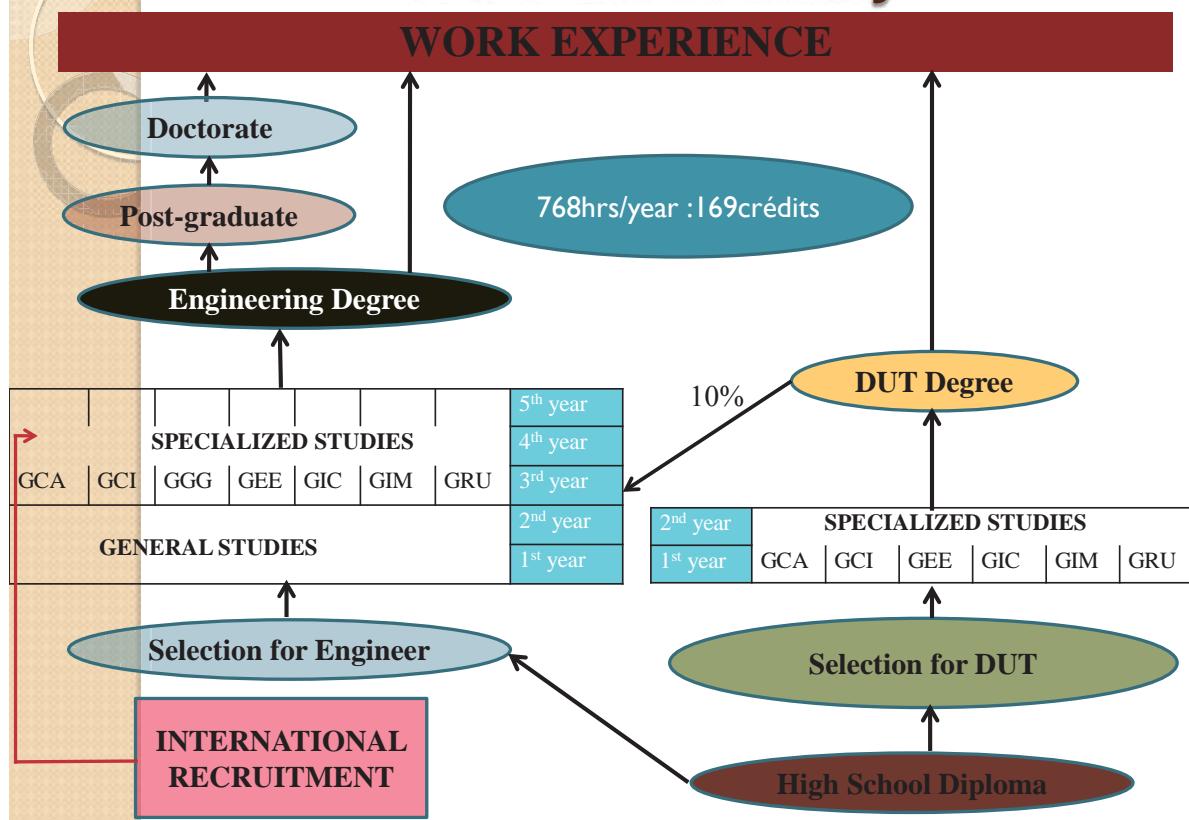
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Departments and Sections

- Foundation Year (English and French Sections)
- Chemical Engineering and Food Technology (GCA)
 - Master program : Agro-Industry and Environment, AUF - ITC – INSA Toulouse (2012-2013)
- Civil Engineering (GCI)
 - Master program : AUF - ITC – INSA Rennes (2010-2011)
- Energy and Electrical Engineering (GEE)
 - Master program : ITC – Finland (2011-2012)
- Information and Communication Engineering (GIC)
 - Master program : 2013-2014
- Geo-resources and Geo-technique Engineering (GGG) (2011-2012)
- Industrial and Mechanical Engineering (GIM)
 - Master program : 2013-2014
- Rural Engineering (GRU)
 - Master program : Water resources Engineering (2012-2013)

@ Master Of Technology

ITC Path of Study



ITC elaborated new educational programs in accordance with the socio-economic reality of the country and the region. On this subject, the qualitative analysis of the employment market in Cambodia which is in full reconstruction, and in the most active region of the globe puts the following sectors in first priority such:

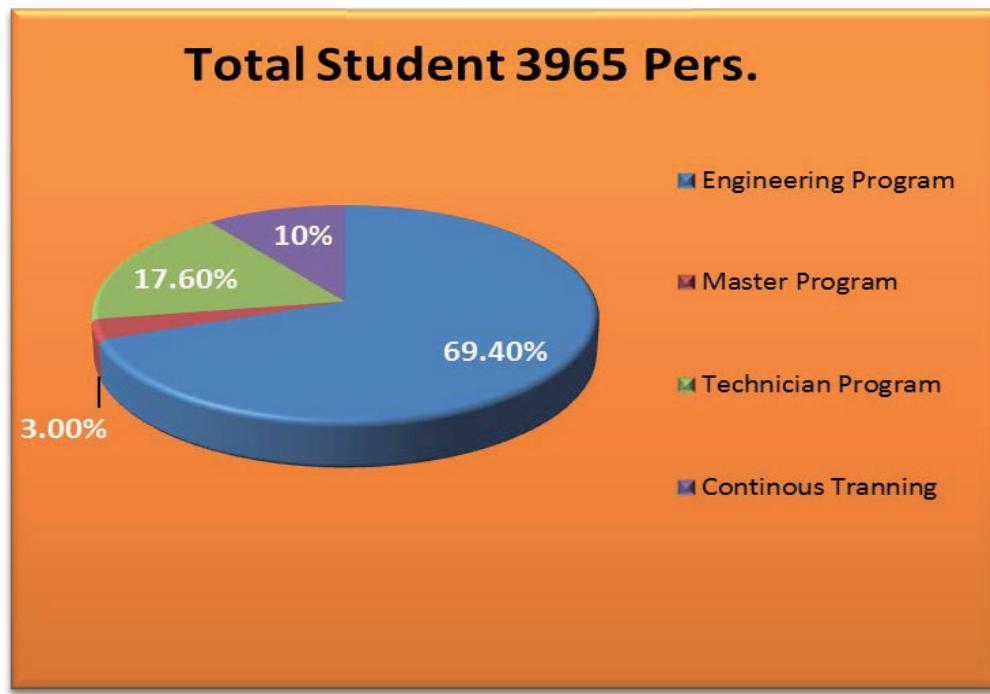
- *Design and planning of buildings and cities*
- *Buildings and architects*
- *Public works and transportation*
- *Prospection, production and energy distribution*
- *Transformation of agricultural products and food science*
- *Drinking water and sanitation*
- *Industrial maintenance and Manufacture engineering*
- *Telecommunications and Network design engineering*
- *Automation systems, Control engineering and Robot*
- *Power system, power distribution engineering and hydroelectric powerplant*
- *New energy development and energy conversion technology*
- *Agricultural hydrology and irrigation, water resources management*
- *Electronics and power electronics*
- *Information and Communication Technology (ICT)*
- *Geology and mineral resources*
- *Petroleum*
- *Etc.,*

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Human Resources

- Academic staffs : 214
 - ▶ 53 lecturers from English speaking countries (PhD+Master)
 - ▶ 52 lecturers from French speaking countries (PhD+Master)
- PhD (40) : 19%
- Master (100) : 47%
- Students : 3965
- Ratio of lecturer/students : 1/18

Students



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Financial Support to Students

- Government : excellent students
- Government : social scholarships
- ITC partial scholarships : female students
- World Bank
- AKARAKA Society (Singapore) : social scholarships
- Cambodian-American foundation : social scholarships / excellent students
- DK Kim (Korea) : social scholarships / excellent students
- French embassy : excellent students
- TOTAL : Female students
- CHIPMONG, Cambodia : excellent students
- SUMITOMO, Japan : excellent students

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Foreign Students at ITC

✓ 2001 – present : 35 students (Lao)

2011-2012 : 10 students

- 8 (Lao)
- 2 (Vietnam)

2012-2013 : 4 students

- 2 (Lao)
- 2 (Vietnam)

2013-2014 : 3 students (Vietnam)

☺ Internships : France, Belgium, Japan



Quality Assurance

- Internal evaluation :
 - ▶ Council of Study (CEVU)
 - ▶ Anonymous questionnaires
- External evaluation :
 - ▶ Private sectors
 - ▶ Accreditation Committee of Cambodia (ACC)



Capacity Building

- ▶ Dispatch professors
- ▶ Lecturer training abroad
- ▶ Conferences / seminars
- ▶ E - learning
- ▶ Post graduate
- ▶ Internships



FACILITIES

- 85 classrooms, 4 lecture halls
- 2 conference halls (300, 2012 seats)
- Laboratory : 35
- Research laboratories : 4
- Station of meteorology : 6
- Multimedia center
- E-learning (SOI)
- Computer campus
- Library
- Domitory (200 beds)

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Scholarships (2013-2014)

✓ 65 scholars (PhD and Master)

- PhD : 9

- 4 lecturers (2-France; 1-Belgium; 1-Japan)
- 5 students (1-France; 1-Spain; 2 -Japan; 1-Korea)

- Master : 56

- 1 lecturer (France)
- 55 students (20 -France; 2 -Spain; 1-Greece; 2 -Lithuania; 2 -Korea; 3 -Philippines; 3 -Malaysia; 7 -Indonesia ;15 -Thailand)

- Internships : 4 lecturers (1-Spain; 1-Australia; 2 -Finland)



Research Projects

- 2004 - 2010 : 31 projects
- 2010 - 2011 : 13 projects
- 2011 - 2012 : 23 projects
- 2012 - 2013 : 23 projects

French embassy, CUD (Belgium), AUF, AUN/SEED-Net-JICA (Japan), NEDO (Japan), CPWF, CSIRO, Aus AID and ICE WaRM (Australie), CIRAD (France), INPT-Toulouse (France), INPL-Nancy (France), IPH (Vietnam), Nong Lâm University (Vietnam), Coca-Cola, Minibea (Japan), Chugoku Electric Power Co.Ltd. (Japan), Kochi university (Japan)...

RESEARCH & INNOVATION

More than 20 Ph.D and Master holders are involving actively in various fields of research projects such as:

- Water and Wastewater treatment
- Food Processing
- Inventory of nutritional facts of indigenous fruits and vegetables in Cambodia
- Environmental issues including air and surface water management and monitoring
- Water resource engineering, irrigation
- Khmer language automatic processing application
- Biodiesel from Jatropha
- Rural electrification
- Survey of construction materials
- Upgrading agricultural product and waste materials
- Arsenic removal technology from drinking water
- Solid waste management
- Climate changes
- Robot development
- Etc.

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A JOIN RESEARCH ON BIOFUEL



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THANKS

RESULT OF ENTRY EXAM ...



Doctoral students in INSA Toulouse, France



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Laboratories Georesources and Geotechnical Eng.



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Robotic Competition



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Visit of ECOLE POLYTECHNIQUE, Lab Soils Mechanics



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Visit of French Scientists to ITC



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