Software Engineering and Software

Development in Thailand

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Agenda



Software industry promotion



Software research directions



Software Business in Thailand

Software industry is considered an important

strategy of the country



purchasing software licenses



Whowever, there seems to be a lot of software

piracy as criticized by BSA

Thai Software Business



Still not yet firmly established



Some work on software package installation



Problems in SW industry development

Computerization rate is not high enough

Lack of good Thai software packages

Cack of confidence in Thai software products

Lack of capable graduates

Cack of effective Policy Chain

Cack of true supports from the Government

National IT Plan – IT2000



- Investment in IT Infrastructure
- Investment in IT Education
- Development of IT for improving Government services

Graduates in Computer Related Fields

Degree programs	2538	2540	2541
Bachelor	1,413	1,747	2,815
Masters	242	401	461
Not included Rajabhat	and Raj	a Man	gkala

Institutes

Vocaional Graduates

Vocational education has two majors

2539 2540 2541 2542

Business Comp 4,384 5,206 5,645 7,036

Electronics 3,938 4,040 4,543 4,993

Salary VS HW Expenditures

Budget Year 2540 2541 2542 2543

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IT2000 Assessment

Not understood by all sectors



Crippled by economic recession



No Champion



Now a new IT Strategies have been developed and all

departments are required to submit a new ICT plan

Some Developments

Software Park has been approved by the Cabinet

and started within the umbrella of NSTDA

Not fully supported as planned

Struggled to survive and become SW leader

Future? Not certain because no commitment is

obtained from the Government

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Software Park Thailand, a government agency under National Science and Technology Development Agency was established to stimulate the development of Thai software industry, push it towards a sustainable level and provide it the means to survive in rapidly changing global digital economy.

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Tenant Companies

Software Park Thailand and its four integrated departments has officially taken upon itself the earnest endeavors

Partners



- to offer state-of-the-art infrastructures and investor-friendly environment that nurture young software entrepreneurs during the start-up period;
- 😳 to broaden knowledge and enhance skills of Thai IT professionals through various kind of educational activities and;
- to establish a business-to-business exchange from both national and international basis





🥝 Internet

Ministry of ICT

Approved by Cabinet and enacted

Started to function in October 2545

Oirections?

We are waiting to see.

Actions?

Hope that they will be significant.



Restructuring state universityies

Development of IT graduate degree programs

Popularizing IT jobs

Expanding scope and fields

Problems — quality and attitude towards

programming

Software Directions

Common software for government sectors

Calculational software for schools

Software packages for SME

Multimedia software

Internet and Web services



Distributed databases and systems

Software Process Improvements

Urgently need

- Software standards
- Software process standards
- Data standards
- Education about these standards
- National acceptance

Capability Maturity Model



SW Park encouraged SW companies to adopt

Six CMM authorized trainers

Three CMM authorized Lead Assessor



Where shall we go?

Close participation among Thai lecturers

Oevelopment of Standards

Brainstorm on SW Practice directions

Brainstorm on SW research directions



Oissemination of research results

Conclusion

Software engineering and software practice in Thailand are still lag behind other countries

Need to strengthen through education programs

Need to develop more capable lecturers

Need to work with ICT Ministry

Need to consider standards and certification

Need to have private sector participation