Software practices in five ASEAN countries: An exploratory study

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Abstract: There is a lack of published studies on software development in Southeast Asia, which is fast becoming an IT outsourcing haven. This paper presents exploratory survey and case study results on software practices of some software firms in five ASEAN countries (Malaysia, Philippines, Singapore, Thailand and Vietnam), and provides directions for further research on software practices in the ASEAN/Southeast Asian region.

Author Keywords: Software practices

Index Keywords: Information technology; Outsourcing; Societies and institutions; ASEAN countries; IT outsourcing; Software firms; Software practices; Software engineering

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References:

- 1. Beshouri, C., Farrell, D., Umezawa, F., Attracting more offshoring to the Philippines (2005) McKinsey Quarterly, , http://www.mckinseyquarterly.com/links/19560, Oct, URL
- 2. Walker, M., (2005) Tech shrinks geography for offshore, , http://www.upi.com/Hi-Tech/view.php?StoryID=20051122-011758-6120r, UPI, Nov, URL
- Dutta, S., Lee, M., Van Wassenhove, L., Software engineering in Europe: A study of best practices (1999) IEEE Software, 16 (3), pp. 82-90., May
- 4. Groves, L., Nickson, R., Reeve, G., Reeves, S., Utting, M., A survey of software requirements specification practices in the New Zealand software industry Proc. Australian Software Engineering Conference 2000, pp. 189-201
- 5. McConnell, S., (2004) Professional Software Development, , 2nd Ed. Boston, Mass, Addison-Wesley
- Blackburn, J., Scudder, G., Van Wassenhove, L., Improving speed and productivity of software development: A global survey of software developers (1996) IEEE Trans. Software Engineering, 22 (12), pp. 875-885.
- Cusumano, M., MacCormack, A., Kemerer, C., Crandall, W., Software development worldwide: The state of the practice (2003) IEEE Software, pp. 3-8., Nov.-Dec
- CMMI Project Team. CMMI for Software Engineering (CMMI-SW), Staged Representation. CMU/SEI-2002-TR-029. SEI CMU. Aug. 2002Wang, Y., Dorling, A., King, G., Ross, M., Staples, J., Court, I., A worldwide survey on best practices toward software engineering process excellence (1999) Software Quality Professional, 1 (2), pp. 34-43. , Dec
- 9. Cusumano, M., Selby, R., (1998) Microsoft Secrets, , New York: Touchstone
- 10. Jalote, P., (1999) CMM in Practice, , Reading, Mass, Addison-Wesley
- 11. Boehm, B., Turner, R., (2003) Balancing Agility and Discipline, , Reading, Mass, Addison-Wesley
- Danait, A., Agile offshore techniques A case study (2005) Proc. Agile 2005 Conference, , http://www.agile2005.org/XR17.pdf