

SUMMARY OF MASTER’S DISSERTATION

Student Identification Number	80834512	Name	Koichi Inagaki
<p>Title</p> <p style="text-align: center;">Evaluating Offshoring Sources in Software Development for Global Enterprises</p>			
<p>Abstract</p> <p>The use of "Offshoring": which is the relocation of business process to one country to another has become increasingly popular among software development companies. According to the data, 80 percent of offshoring is going to China. Recently a large amount of business enterprises are expanding their business to overseas, as a result subsidiaries are located globally. Cooperation between the development base and the user base has become an important issue.</p> <p>The purpose of this paper is to evaluate offshoring countries that develop the business order-made software for global enterprises, and evaluate effectiveness of offshoring in the vicinity of the use base. In addition, this paper designs a "global optimized procurement system for software development".</p> <p>Firstly, author analyzes the current offshoring practices based on interviews conducted on specialists and from conventional studies. Afterwards author developed "offshoring success level model" and conducted conjoint analysis.</p> <p>The result determined the coefficients for the causal relations of success factors, such as communications frequency 0.286, linguistic competence 0.644, clearness of the specification 0.549, variance on the delivery date 0.534.</p> <p>Secondly, author developed "offshoring country evaluation model". In this model the communications frequency was assumed to be a factor of the geography and the time difference.</p> <p>The evaluation result indicated that three countries (Philippines, India, and Egypt) are favorable for offshoring. "global optimized procurement system of software development" includes aspects of division of labor, regional division of labor, management system software and operation system software.</p> <p>Key word: Offshoring, Software development, Nearshoring, Conjoint analysis, Global enterprise</p>			