Toward an understanding of IT-enabled collaboration in product development

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ABSTRACT

According to the meager profit and supply of exceeds the demand among the management environment of times, it is develop speed fast, quality fine and kind price to demand by ODM or OEM manufacturer. So the speed and the practice personnel of the performance and tactics tool of product development, as to manufacturers, let new products can utilize information technology to collaboration design and improving the performance of new product design. This research is applied to the view that IT-enabled collaboration in product development, study its product design performance, by TTF model, in product collaboration design (task) , the information system (technology) , task-technology fit and heavyweight product development managers, product development of executive, than study product design performance impacts after actually use, and recovered 205 valid questionnaires to product developing department managers or relevant personnel, again with the structural equation modeling be analytical method. The result of study shows, product collaboration design (task) , the information system (technology) and heavyweight product development managers are the basic factor of the product design performance. So, when enterprises to select information technology for use must fully evaluate the task-technology fit, and then makes the product design performance improve.

Keywords : collaboration design ; task-technology fit model ; heavyweight product development managers ; product design performance impacts

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