The objective of this reseach is to develop software metric, regardless of computer languages or development tools, to assist project managers in estimating the efforts and document volume of software development, using the Function Point technique.
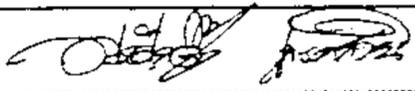
The prototype programme has been developed and used in the estimation of efforts and document volume, as well as collecting information on accomplishly developed software project in Thailand. The equations for estimating standard values of efforts and document volume were formulated and adjusted with Least Square method. The results showed that the estimated standard values from individual company information represent the standard values of company concerned. Standard estimation using collective information resulted in higher deviation.
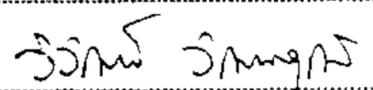
Nevertheless, the Function Point prototype programme enables project managers to estimate the expenses on effort and document volume by selecting company standard values or general standard values. The standard values should be well adjusted for correctness when more information is obtained.

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