Firm’s Policy Management by using ERP system
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Abstract
This research is study about business improvement by using OpenERP system focusing on part of firm’s policy management to make the output policy be able to used in reality. The paperwork documents are not required by using this module because we will be managing the policy document in e-document on the system. So the system will manage it systematically. Such as draft new requisition, approve, and notify to the concerned people. In consequence of the approve system, users can make sure that the data in policy are up-to-date and available to reference for some works. This system is very important for business software development for multi-system where the same database is being used. The advantage is if there were some changes in the data the mistake can be happen anytime. So it’s necessary to use the same raw data in multi-system to make sure the information will be corrected and up-to-date. This research utilises Enterprise Resource Planning (ERP) system as a tool for business improvement. OpenERP is chosen to improve the system which consists of 2 parts as follows; the development of ERP system by using OpenERP in addition to policy management in organisations: There are some definitions of ERP system and database system in proposal. OpenERP is the tool that would be referred in the dissertation. The next step is Policy management system which composes of database design, logic of program and preference of program. Finally, this system is very valuable to make all employees in the firm moving on the same direction. The mistake can also be reduced as well as the re-work process.

Keywords — ERP, OpenERP, policy, business improvement, technology management

I. INTRODUCTION

Thanks to advanced technology in the modern world, it has grown by leaps and bounds. In contrast, many organisations keep their information in document form. Especially, crucial documents such as policy and regulation in organisations. There is no announcement for employees when the information is altered. However, the information would be referred in many circumstances such as meeting, development of related programmes, document preparation and budgeting system.

Those problems are overlooked by the organisations, but those are able to cause the conflict and repeatability. In addition, the employees tend to reach different aims from organisations. For the sake of development of organisations, this dissertation is done to research OpenERP system and utilise OpenERP tools. Furthermore, this is going to emphasise in term of management concerning policy and regulation, including the draft of policy, asking permission, informing participants about increase and adjustment of the policy. In the stage of draft policy, keywords which are vital information need to be filled into database system and be used as references by others to improve the systems of organisations. Those enable participants to read and refer their involved policy, ensured that the policy has been approved already. The information is up to date to be utilised in the real world.

The system would be significant in the business world which consists of many destinations for applying information from the same source. When information is changed, some mistakes could occur easily. So it is important to use the raw information from the same source for accurate and updated information. The raw information can be used to develop the system of examination about breaking the policy. That system will collaborate with the system of policy management which the information will be processed and displayed as the colour levels; green, yellow and red respectively; arranged in order of mistakes in behaviors of employees that can be accepted.

II. BACKGROUND AND RELATED RESEARCH

The research focuses on the development of policy management and regulation in the organisations with OpenERP system. This can be divided to 2 parts; 1. Studying policy management in organisations 2. Utilizing ERP system on organisations. There are many organisations that begin improving Enterprise Resource Planning with ERP system. In the present-day, ERP system is used in many types such as SaaS (Software as a Service), FOS-ERP (Free Open Source ERP) and OSS (Open Source Software). Each type has different service and price while there are many ERP providers such as SAP, Oracle and service companies which supervise system consultation, sale and service. The factors affecting decisions of clients are capital and necessity of businesses because the demands of each organisation are unequally.
organisations afford to invest with famous providers, but small Enterprises are unnecessary to utilise the complicated systems. Therefore, OpenERP is one of the best alternatives for those small enterprises. And has the history as the figure 1.

![OpenERP History](image)

Nowadays, the leading organisations use ERP which can assist in management and some organisations usually use ERP package service from leading manufacturers such as SAP, Oracle and BAAN. Those are crucial part of business management in several processes for efficient system. For example, data analysis, business process training, understanding in purpose of organisations. The policy of organisations is in those steps. ERP stands for Enterprise Resource Planning while OpenERP is erp package which is a web-based type of software and FOS-ERP type of ERP system.

According to the researches, if the organisations are small and medium-sized enterprises (SMEs), OSS software is suitable because it is able to access source codes and enable to be convenient in adjusting system for supporting business model of organisations. The organisations will not be concerned about hiring consultants or administrators because they can improve by their developers. In addition to budget on hire, the monopoly on contract will not be an issue also. The quality and preparation of system are going to follow the learning graphs. The more knowledge the developer teams gain, the more quality and preparation the system can receive. It is the similar trend compared to learning curve. In the modern world, the providers who have OpenERP service make a decision to develop FOS-ERP and sell commercially in term of OSS and SaaS.

The research in utilising information technology in business management consists of various cases. The processes of research can be separated to 5 steps as follows: getting information, quantitative evaluation, planning, examination and qualitative evaluation: the results of those case studies can be observed that the advantages of information technology influence business management in 5 parts that are 1. Strategy : value added in partnership can increase with the strategies, 2. Process: quality processes can affect a huge increase performance in management, 3. Technology : the system provides quality and reliable information which be more secure and assist the organisations to make a decision, 4. Organisation : Capability and ability of organisations would be improved, 5. Employee : the employees need to be more skillful and precious.

### III. RESEARCH METHODOLOGY

There are five steps of research methodology:

1. Diagnosis & Analysis system for gather related data, system function and software requirement
2. Design; Software specification, User Interface, Strategy and Method, Access Control List, and Quality Assurance (QA)
3. Implement system
4. Quality Control (QC); Examine system
5. Go Live
IV. WORK PROCESS

The work activity of policy system as shows as figure 3. This system will initial to draft the policy. When who draft the policy, who is a role as ‘drafter’ or ‘submitter’ will do ‘submit’ the policy. The policy status is altered from ‘draft’ to ‘to pre approve’. In next part, who is a role as ‘controller’ has a privilege to click ‘reject’ the policy. On the other hand, ‘controller’ will select ‘pre-approve’ the policy if ‘controller’ accepts agreement in the policy. After that, the policy status will become ‘to approve’ which will access the part of ‘approver’. That is the final stage in policy approval. If the approver disagrees, the policy can be clicked ‘reject’. However, the policy can be applied in the business when ‘approver’ click to change status to ‘approved’.

V. FUTURE WORK

From this research shows that next research should working on implementation the audit policy software application it'll compatible with this system and fulfilling the policy management system that enables to use their performance substantially.
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REFERENCES


BIOGRAPHY

Thanyawan Soonthornvipat is a software developer at Yannix(Thailand) company. and i’m currently studying master degree of Technopreneurship program at Institute of Field roBOtics, King Mongkut’s University of Technology Thonburi, Thailand. I am interested in ERP system, business management and technology management.