Software Implementation Process for Medium Scale Organizations Who Use Traditional Working Model

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Abstract: Software’s are being implemented by many organizations and in many companies. Software’s facilitate the faster, easier and more reliable way to work. The results of a survey, the number of organizations starting to move traditional way to advance option which is nothing but software. This subject compares the aspects of project management and organizational change management covered in their software implementation methodologies. In this study we are learn to change the traditional working model and also the study suggests that efficiently working strategies, advantages, disadvantages and challenges in implementation process management. It need to be addressed all these things in comprehensive manner without disturbing the original aspects of organization and take feedback of end users within the framework of the software implementation methodology.

Keywords medium scale business, less cost, easy to adopt.

1. Introduction

Second Medium scale organizations having average financial support. To improve the business by reducing the complexity of work achieved by using appropriate software. Many medium scale organizations today consider implementation of software as a driver for transforming their organization and bringing about a change in the organization. It is not just the technology that is being implemented, but processes are re-engineered and people are re-organized to perform better in the organization. Processes are made more agile and lean to the requirements of business needs and non-value added activities of people are removed, so as to maximize the output of the human intellectual and make them focus on their core activities.

The success of a software implementation depends on people adopting and accepting this new process and technology. Also this implementation needs to be on time, within the budget and to the right quality. Reputed software vendors and system integrator rely a lot on their software implementation. A robust methodology that includes all the project management aspects is very essential. In addition to the project management, this methodology needs to incorporate all the aspects of organizational change management, as there is a need to address the “Resistance to change” from people in the organization. A poor implementation process of software could prove to be very expensive for an organization and may be counterproductive.

Software Implementation is nothing but the installation of appropriate software, arrangement of computers and other machines, manage a human resource. Many medium organizations are started implementation of software for transforming their organization and bringing about a change in the organization. A successful software implementation and adoption is very necessary for any organization.

After the looking title of this study, the question rise in everyone’s mind which is “why this software implementation process for medium scale organizations? And why organizations are changing the ordinary traditional way of working?” And the answer of this question is, this software implementation process is very complex, time consuming, costly and hard to manage. In small scale business, there is no need of huge setup. Few machines and people are enough to manage all work. There are no any huge organizational changes. And in large scale business they are having better financial side, so they can spend more money on highly train team, best hardware or on replacing the employees. But in medium scale business, they are having limited income. The financial side of these organizations is very sensitive, so they should spend money very
carefully. The efficiently use of available human resource, structure & hardware is the key of successfully implementation on medium scale. This research is from “System Administrator” point of view.

2. Software Implementation Phases

This process is designed after the study of the various aspects for successful software adoption & implementation. The basic details of the organization and methodology were captured. In addition specific questions were formulated to gather inputs for identification of the areas addressed by their methodology. There are various types of software which are used in different organizations, for example- Enterprise Resource Planning (ERP), Product Life cycle Management (PLM), and Customer Relationship Management (CRM). To implement these types of software some step by step process is required. Following are the implementation phases which are used step by step in implementation process. Each phase having its own importance. In each phase there is a particular task which helps to easily implementation of software. In next we are looking above points briefly.

2.1 Create an implementation plan

This is the first phase in software implementation process. It defines that requirement’s for the business initiative to acquire the resources to build on an infrastructure to improve or modify the service. It is a feasibility study for company initiative to plan the requirements of resources costs, time, benefits, and more are the items that need to consider at this phase. In this phase make a solid plan for successful implementation. In this phase we create some team & distribute the task and responsibility between them to manage the working of process.

2.2 Start as a demo

In second phase the system administrator check the functionality of software by using on small scale first. This phase is also known as validation. In which they check necessary specifications, features, robustness, flexibility, how much easy to use. This will shows the dummy project and it find out the problem and complexity of project. Start the project on small scale. In it they check the capability and usability of software.

2.3 Manage hardware & network

The third phase is to manage the software, hardware and networks which we need to implement the process which will be in place. Create a network all over organization and manage available hardware as per requirement. The devices which are required in network connect them with system. Distribute the hardware as per the requirement of user & system. Focus on maximum utilization of available hardware.

2.3 Give training to users

The fourth phase is very important phase; it involves the training to the users. The training team works on it. They give the introduction of the software on which they are working. Discuss on expected problems in the system functions of software and other some required basic training.

2.4 Scale up the system and use

In fifth phase we expand the network by adding new nodes in network. In this phase we increase the network, use of software and dependency on software. This phase done little bit slowly but constantly. As per the increasing network, we adding new user in system. When we add more users, automatically the use of system increased.

2.5 Take user feedback

The sixth phase includes user point of view after the use of software. The feedback is taken from user to improve the satisfaction of the user and also it helps to make the notes for next update of system. It also helps to find out the difficulties in the system and discuss the problems.

2.6 Maintenance

The seventh phase is very important in software implementation process. In this phase, we focus on includes backup which is take daily to secure the important data in disasters. Server maintenance & network maintenance is also important.

3. Advantages

This software implementation has lots of advantages. Here we are giving some advantages. Needs less man power, required less cost to implement as compare to other, It is simple to work and we can manipulate data easily. It allows strict control on all over the system It helps to rapid & efficient working. It concentrates on specification of business activities and allows to easily adding new features in it. It provide easy inter-communication that users can easily see the result of their work. It Facilitate use of special equipment’s and Easy shut down work / pack-up the software.
4. Disadvantages

There nothing is totally perfect in this world. This process also having some disadvantages like there is less verbal communication, it required mutual understanding between the user and administrator. There is chance to misuse of software. It also put affect on jobs. It required skilled people so those people who working from long time but not having the knowledge of new technology, they may face problem of termination. It needs less employee requirement so the employability recession is occurred.

5. Challenges

There are some challenges in software implementation which we was discover in this process. Here we are giving some of them. They are as limitations of software technical capabilities, Cost of implementation process, Impact on organization structure, Changes in employee’s responsibilities, Flexibility of software system upgrade, Implementation time line, Training on each upgrade.

6. Future Work

Maximum use of artificial intelligence to reduce human efforts. Make is easy to use, that can be help to new users and also make more secure to increase reliability. Make it wireless to decrease the wiring cost.

7. Conclusion

By using this implementation strategy we can easily implement the software for medium scale organizations who working traditionally. This study helps to change the typical traditional working model by implementing appropriate software.

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9. References