FACULTY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTING SCIENCE

SUBJECT NAME: **INFORMATION SYSTEM MANAGEMNT**

SUBJECT CODE: **CSS 229**

TASK: **GROUP ASSIGNMENT**

LECTURE NAME: **MR. FRANK**

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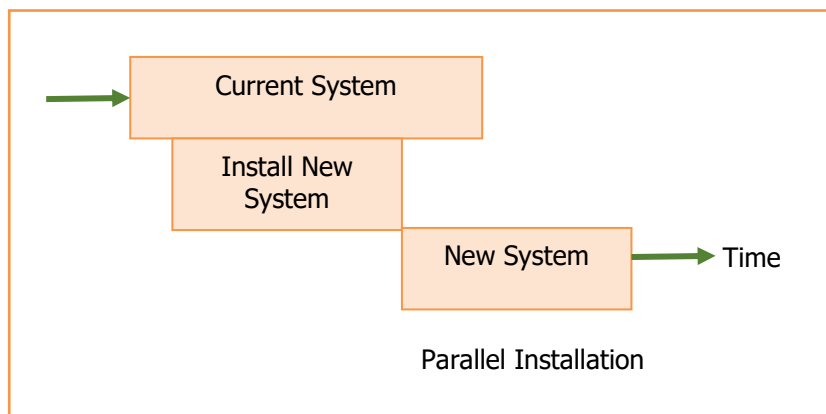**PROGRAM:**   **BSC.ICTM-2**

QUESTION

From the concept we learned about the approaches of system installation provide an explanation about the approaches of system installation and in which situation they can be applied, then by using any one of the existing systems of your own preference. Example which approach you would choose as a manager

System installation refers to the process where the system program ready for execution or into use. And in order for varies process to work the system must be installed first in operating system for example process for each program and computer program. System installation has four approach those are as follows

- Parallel approach installation
- Pilot approach installation
- Phased installation
- Direct cutover installation

PARALLEL INSTALLATION

This type of installation approach involves both old and new system are operating at the same times. Under this approach it has advantage of riskless even though to run both system required high costs when the organization run two similar system at one time can be more expensive in term of maintenance
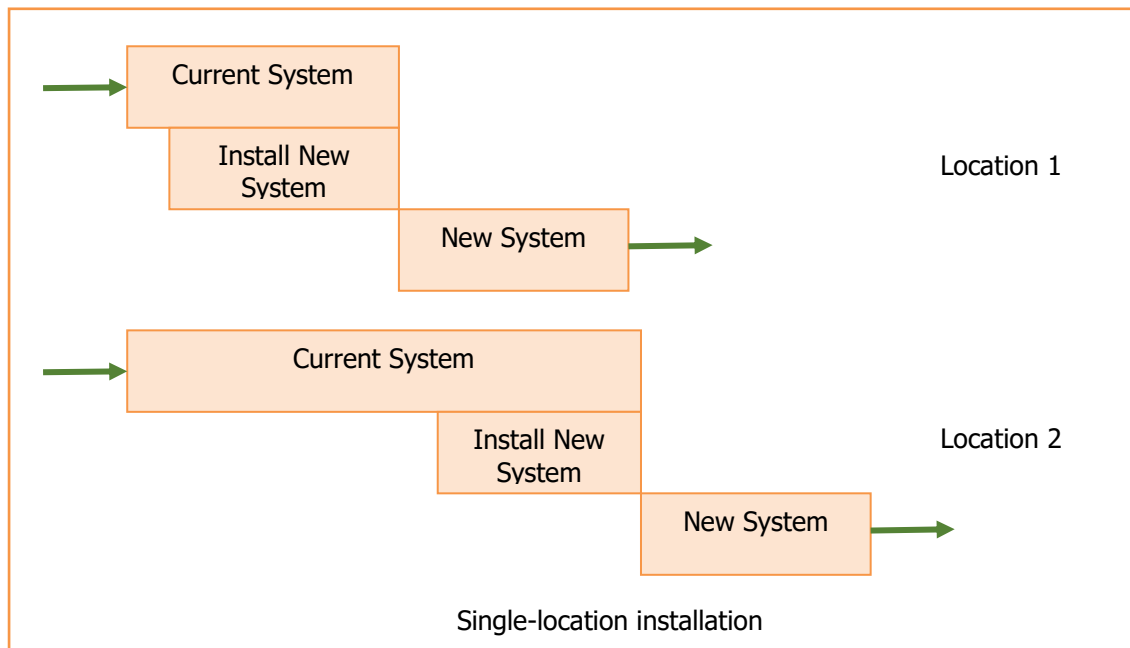

Parallel Installation

Case Scenario using the parallel approach

For example Mzumbe university use parallel approach installation system to keep examination record for students that are mu arms (new system) and Aris (old system) so university management agreed to use the old system and to keep in touch the currently one in order student to get use to the current one.

PILOT INSTALLATION APPROACH

This kind of installation also known as single location installation and its where the organization tries to use new system in one location or to small number of user can be referred as branch office or one department , Advantage of using this approach is that it can minimize potential damage and costs because the successful determined at the first site, But the system approach got the disadvantage that can take long period to install the whole
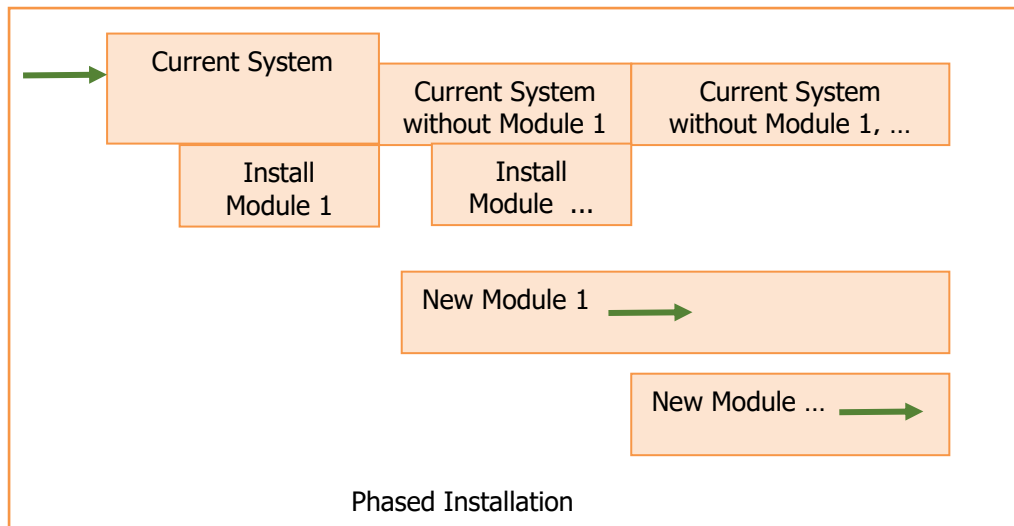
system in a particular location or site.

Single-location installation

Case Scenario using the pilot approach

For example ICTM 2 create the online system to upload all assignment and group assignment for all Mzumbe university student and teacher will mark it using that system and when it came to testing only IT student done the testing and be successes and useful but when its come to other student become very difficult thus why it can be applied to small or single location.

PHASED INSTALLATION

It relate in some way with single location or pilot approach but in phased approach new system installed in functional component and in this approach different modules of a new system and old system used together until the whole system installed, main advantage is to minimize the risks exist from installation and its disadvantage is that it take long time to be experienced by user also cause frustration and confusion among users.
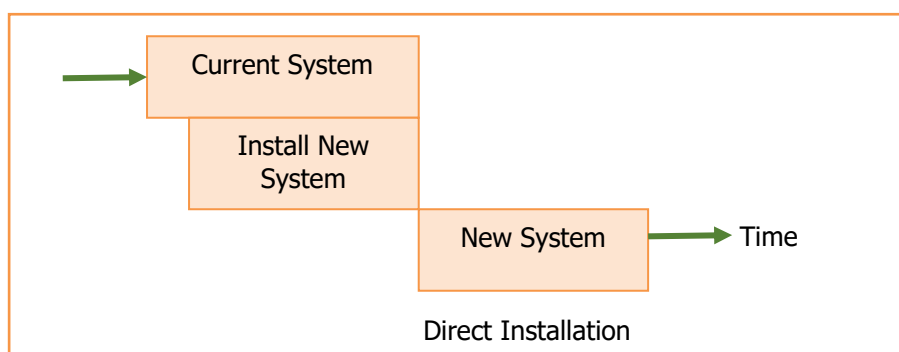
Phased Installation

Case Scenario using the phase approach

For example at a certain company always tend to keep document concerning their customer by using files but due to change of technology installed the system that can keep the details for the customers in software way so in order for both customer and employer to get used with the current system tend to recall other data from the old system.

DIRECT CUT OVER INSTALLATION

This kind of approach is where the old system abandoned completely or in other word we can say the old system turned off and user move on with the current or new system , its advantage is that some business become effective also by avoid some risks and error can also be affordable for the user because it can be less costly but its disadvantage is that it has high risks also different errors that can cover large amount of costs to solve the problem.

Direct Installation

Case Scenario using the direct cut over approach

A group of students create a system that can be used in registration of books borrowed in the library and when installed by using cut over approach ignore the old system that was used in the library what happened the current user fail to access the books because the other system keep details that shows who borrows the previous book has been banned.

As a manager of a certain company the best approach that preferred to use parallel approach in order to avoid high risks from other approach and other large compensation costs from failure of the system. Based from the following scenario for example a Belle company limited that are dealing with launch cosmetic product discover new way of selling's it product due to development of new technology by creating social media account and different forums for advertising and educate people ways of use those cosmetics product but the old way was going direct to the user and sell it directly so in order to increase customers as manager I will use both methods because the advantage of that customer will choose best way themselves that will fit them and get product without any complication. Even though the new system fails the old system can continue selling products.

REFFERENCES

Blanton.S. (2003). Information Technology Project Management. 8th edition.