IT 201 Homework #12 Clarence V. Kimbrell Jr

When building a new system there are problem-solving steps for making a better choice for whatever it is. The first step in the process is to define and understand the problem. Making a concrete decision on which to fix or create something new is the first step because if it involves multiple things it could mess with results later down the road. Second, it is to develop alternative solutions this is like backup plans in case the main one fails to meet expectations. After many different avenues have been explored choosing the best one is the third step. Then finally it is to implement the best solution for building a business case.

Within the final steps of those above systems, some things are just as important to achieving the implementation step. Documentation is the things like training manuals and or online instructions on how to operate and the objectives of the new system. Then after documentation, the conversion step is the process of changing the old system to the new one. This can be a lengthy process that needs to be monitored throughout. Then there is the production this is after the implementation and the new system is up and rolling. During this stage, this is where we see if the new system is meeting expectations. Maintenance is the final step in this process and is where if a system breaks of not function at max potential things to be allocated to fix it as quickly as possible. Unchecked shortcomings can lead to larger issues later down the road which can be cataphoric for production.

Developing information systems based on application software packages can come with some advantages and disadvantages. Some of the advantages are that are things like outsourcing which is if a firm does not want to use internal resources to operate information systems. This can be a plus for the company as a whole but a negative in the native country and abroad. Another advantage is customization this allows prewritten software to be changed exactly the way a firm needs it to be. This can be for convenience or more production value. It is noted that too much customization can be expensive and have some drawbacks and extra resources that were not required before.

Information system plans are a little bit different because they have more things to be considered. For example, we begin with an overview of the plan contents this is because like before we need to have a concrete understanding of what to change. Then we have a strategic business plan rationale, which is allocating resources to the project. The third is to look at the current ones we already have in our business. Fourth is new developments on what can be changed like brainstorming with the resources currently available. Management strategy can be achieved with the use of software or techniques to achieve the target goal. Then there is the overlapping of the implementation of the plan with the building of a new system. These work the same as finding the best solution and trying to incorporate it. One thing that needs to keep in mind is the last thing on the list which is budget. Trying to achieve things beyond a budget constraint will make the solutions seem unachievable. This is why this needs to be taken into account from some of the first steps forward in creating an information systems plan.

One of the major information systems that I will take into account is budget. I would love my pc repair business to take off but I need to monitor spending before I can get to that point. Then new developments can include things like new hardware and software. I would like to be familiar with these things nearly as soon as they can come out for the possibility of implementation in my

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business. Then lastly, I would like to have a management strategy for things like major training initiatives. I would like my employees to be familiar with and monitor things around the shop such as software programs in our database or inventory. Those are the main three information systems that I would use in my pc repair business.