**Operation Feasibility:**

Operational feasibility is a metric for how well a proposed system solves problems and exploits possibilities discovered during scope definition, as well as how well it meets the criteria identified during the requirements analysis phase of system development.

In terms of development timetable, delivery date, corporate culture, and existing business procedures, the operational feasibility study looks at how well the proposed development project fits into the existing business environment and objectives.

During design and development, intended operational results must be conveyed to ensure success. Reliability, maintainability, supportability, usability, producibility, disposability, sustainability, affordability, and others are examples of design-dependent parameters. If desirable operational behaviors are to be accomplished, these parameters must be taken into account early in the design process. To achieve the previously specified parameters, system design and development necessitates the use of appropriate and timely engineering and managerial efforts. When the technical and operational qualities of a system are engineered into the design, it can best serve its intended function. As a result, operational feasibility is an important feature of systems engineering that should be considered throughout the early stages of development.

Operational feasibility is determined by the project's available human resources and decides whether or not the system will be usable after it has been created and implemented. It assesses the organization's readiness to support the proposed system. Operational feasibility, unlike technical and economic feasibility, is difficult to assess.

**Key questions to ask in order to guarantee that every project meets the requirement of operational feasibility:**

* Is the current operational mode sufficient in terms of response and throughput?
* Is information provided to managers and end-users in a timely and accurate manner?
* Is the existing style of operation providing the firm with cost-effective information?
* Will there be an increased benefit or a cost reduction?
* Is there an adequate process in place to protect against fraud and data breaches in the current system?
* Is the system going to be used once it's finished?
* What will the system's manpower challenges be?
* What policies and conflicts are likely to arise within the organization?
* Will it save a lot of time (during the operation)?
* Have the users been consulted during the project's planning and development?
* Will the suggested system be beneficial to the company?

The first business problem that needs to be solved is creating information security policies and training for the company and its employees. Our team has provided these policies and procedures, listed above. However, the operational feasibility of these new policies and training methods will be further explained in this section.

**Operational Feasibility for business problem A.**

* **Is the current operational mode sufficient in terms of response and throughput?**

The goal of our team is to make the current security policies and training more effective. The operational mode will be sufficient in terms of response and throughput, by including updated training videos and modules that present information in quicker and more accurate ways. Furthermore, systems are put into play that will allow policies to be more easily communicated and easier to find. The systems we will use to accomplish more accessible policies and training modules, include updated videos, risk registers, more organized data, and training methods taught to managers to answer any questions employees might have. We expect to have the updated training methods and security policies completed in a timely manner, and able to be applicable immediately. Furthermore, resources will be provided for employees and managers to find these training methods and policies online.

* **Is information provided to managers and end-users in a timely and accurate manner?**

Yes, the system will be able to be used immediately. Training methods and policies are important and need to be applied immediately for an organization to start making improvements.

* **Is the existing style of operation providing the firm with cost-effective information?**

It is predicted that the updated training methods and security will provide the company with cost-effective and applicable information, that will help the company both short term and long term.

* **Will there be an increased benefit or a cost reduction?**

Yes, having a better method of training and also security policies, will allow for the company to be more efficient and effective, which will allow for more time saved, which in turn means more time to work.

* **Is there an adequate process in place to protect against fraud and data breaches in the current system?**

Yes, the system is designed to update security policies, which will help employees and managers understand the risks of fraud and data breaches. Furthermore, the system will help employees and managers take proper steps to recognize fraud and data breaches, and also provide them with the resources needed to prevent and protect against these issues to the company.

* **Is the system going to be used once it's finished?**

Yes, the goal is to immediately apply the system once it is finished.

* **What will the system's manpower challenges be?**

It will be the responsibility of the company to allocate the resources necessary to make the system work. However, our team does not expect there to be manpower challenges since the system is meant to update security policies and also to provide more effective methods of training.

* **What policies and conflicts are likely to arise within the organization?**

There might be some disagreements with the new policies and training methods initially. Especially with employees or managers who have been with the company for a long time. However, it is important that the company follows through on the changes, because it will be beneficial and save costs long term.

* **Will it save a lot of time (during the operation)?**

Yes, once the policies and training methods have been updated, these processes will be more efficient and up to date, which will allow training to be done quicker, and rules will be understood quicker as well; this will save the company a lot of time.

* **Have the users been consulted during the project's planning and development?**

Yes, throughout the entire project planning and development, our team has consistently communicated with the stakeholders and future users of our new system. The goal is to continuously get feed back from our stakeholders and users, so we can make changes to the system before it actually gets put into use.

* **Will the suggested system be beneficial to the company?**

Yes, as mentioned earlier, the change in security policies and training methods, will save the company time and resources.

**Operational Feasibility for business problem B:**

The second business problem that needs to be solved is utilizing a COTS package that will be utilized to track local and remote employees. For firms with remote and distributed workers, we recommend **InterGuard** as the best employee monitoring software. With capabilities including employee activity logging, video and audio recording, email and chat logs, limits on web content and applications, and system breach prevention, the comprehensive solution enables companies maintain tabs on their remote workers**. InterGuard** may help protect critical company data by monitoring and archiving productivity statistics for later examination, as well as preventing unwanted file transfers and downloads.

* **Is the current operational mode sufficient in terms of response and throughput?**

Yes, InterGuard allows for additional information on employees, while still respecting privacy and following security policies. By having additional information, such as, employee activity logging, productivity logging, system breach prevention, and unauthorized file transfer prevention, the company can keep better track of local and remote employees, which will increase response and throughput times.

* **Is information provided to managers and end-users in a timely and accurate manner?**

Yes, InterGuard will be mainly used by managers, and will be easy to use, due to a simple UI. Furthermore, since the information on employees will be easily retrievable, managers will be able to gain information more quickly and accurately.

* **Is the existing style of operation providing the firm with cost-effective information?**

No, Currently the company does not have an effective method of keeping track of local and remote employees. The COTS package of InterGuard will help the firm by keeping better track of employees and also potential system breaches, which is cost-effective information that will help the firm operate more smoothly.

* **Will there be an increased benefit or a cost reduction?**

InterGuard does require a fee to operate, however, this COTS package will provide the firm with additional benefits, better track and organization, and prevent system breaches, which will save the company money in the future.

* **Is there an adequate process in place to protect against fraud and data breaches in the current system?**

Yes, InterGuard comes with a system breach prevention.

* **Is the system going to be used once it's finished?**

Yes, InterGuard is easy to use, and will be easy to implement. Managers will be able to start instantly tracking employees.

* **What will the system's manpower challenges be?**

It will be the employee’s responsibility to track their progress.

* **What policies and conflicts are likely to arise within the organization?**

Since employees are now being more accurately tracked, there will likely be issues that weren’t previously noted. For example, InterGuard might note that a specific employee is often procrastinating and not working efficiently.

* **Will it save a lot of time (during the operation)?**

Yes, InterGuard will organize employee data and productivity, much more effectively than the current system the firm has.

* **Have the users been consulted during the project's planning and development?**

Yes, our personal team utilizes InterGuard, so we have personal experience with the product and can vouch for it’s potential. Furthermore, we have been working closely with the firm and have received feedback from both managers and employees regarding what type of information will be logged and also how privacy might be affected.

* **Will the suggested system be beneficial to the company?**

Yes, InterGuard has features such as employee activity logging, video and audio recording, email and chat logs, limits on web content and applications, and system breach protection to help organizations maintain tabs on their remote and local workers, which will save the company time and money.

**Operational Feasibility for business problem C.**

In order to solve this problem our group has decided that creating a PowerPoint video would be the most efficient solution. Ideally a video ad would be better, but creating and marketing a video ad to multiple streaming sites would likely take too much resources. Our team will work together to create a PowerPoint, then record the PowerPoint with narration. The video will be short and concise, and will explain information security measures this project would entail when implemented.

* **Is the current operational mode sufficient in terms of response and throughput?**

Yes, creating a PowerPoint video would serve as a means to persuade current and prospective clients that our project would increase security and organization. Showcasing a PowerPoint video would increase response and throughput times, since information will be more easily explained to clients.

* **Is information provided to managers and end-users in a timely and accurate manner?**

Yes, management will have a lot of say in what goes into the video since they will be the firm that utilizes it. Therefore, the information provided will be from the source and as accurate as possible.

* **Is the existing style of operation providing the firm with cost-effective information?**

Yes, a PowerPoint video can be made fairly quickly, and likely won’t need to be updated for years. Furthermore, clients watching the video will be more convinced with the presentation than through word of mouth.

* **Will there be an increased benefit or a cost reduction?**

There will be an increased benefit and cost reduction due to having an easily accessible video to showcase, rather than spending larger resources to get the same message across to clients.

* **Is there an adequate process in place to protect against fraud and data breaches in the current system?**

Yes, throughout our PDR we have mentioned multiple ways in which security will be enhanced through COTS and other procedures; these will be mentioned in the PowerPoint video.

* **Is the system going to be used once it's finished?**

Yes, after the video is created, it will likely be used immediately to convince employees that the upcoming changes to training and security will be beneficial and worth the change.

* **What will the system's manpower challenges be?**

The biggest challenge will be marketing the PowerPoint video to a large audience. The video itself will not take a lot of resources to make. However, getting clients to watch the video and utilize QuickBooks services will take more effort.

* **What policies and conflicts are likely to arise within the organization?**

There might be employees who aren’t receptive to the update security policies, or the employees might dislike the video and how it is presented. Either way, solutions can be made. The video can be improved upon after receiving feedback, and managers can also convince employees to give the new system a chance, since this project will be worth the change.

* **Will it save a lot of time (during the operation)?**

Yes, displaying a video will be easier than having to explain to each client why the new system is safer.

* **Have the users been consulted during the project's planning and development?**

Yes, to make the video a lot of info from the company will be incorporated so that the change in system is a seamless as possible.

* **Will the suggested system be beneficial to the company?**

Yes, overall, the suggested system will be beneficial to the company by saving time, having a more professional presentation, updating policies and procedures, and ensuring a safer system that is more effective at reducing security risks.

Citations:

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