**CPOE & CDSS**

CPOE is a reliable, efficient and effective approach that can be used by the healthcare practitioners to generate and replicate accurate scenarios for better decision making and healthcare management plans. When integrated with CDSS, the healthcare professionals can produce reliable applications that are customized for specific use. For instance, in case of managing and controlling obesity in different patients, and integrated application can be created that would consider all aspects of the patients such as health history, gender, fat ratio, etc. and would generate a detailed structured diet and exercise plan for the patients.

**Issue that requires CDSS Development**

The objective of this application is to exhibit how CDSS Application instructing people in general, bringing issues to light to the overall population, advance wellbeing (diet and exercise), decide reasons for obesity and decide how one may change their way of life using persuasive meeting. Applications in virtual situations may extend from detached picking up (settling on simple decisions) to very dynamic (persistent investigation).

The applications in this introduction will comprise of communication with programed modified Stakeholders and different items in a little network town condition. These are intuitive dependent on a lot of predefined rules for reactions to explicit inquiries asked of the member. The substance of the applications will score and evaluate a person's comprehension of the ecological variables impacting obesity are: age, sexual orientation, conjugal status and instruction. Being overweight or obese are key hazard markers for hypertension, coronary illness and Type II diabetes. Obesity can likewise add to the improvement of elevated cholesterol, back issues, osteoarthritis and specific types of diseases. Different illnesses, for example, dejection and certain neurological issues may prompt indulging.

The applications inside this introduction will start with a meeting with a modified Stakeholders the place the understudy will be approached to enter their weight and stature to evaluate their BMI. The understudy at that point will be met by the modified Stakeholders with inquiries in regards to their objectives identified with their weight and will be furnished with starting data identified with conduct change. Next, the patients will be coordinated to different applications identified with:

1. Adjusting Calories
2. Counteracting Weight Gain
3. Smart dieting
4. Sustenance Pyramid and Food Labels
5. Causes and Consequences
6. Inspirational Interviewing
7. Nourishment Serving.
8. Nourishment and Activity Journal.

For the respective case, it is important that the patients must be provided with an effective, precise and comprehensive structured exercise regime and diet plan to overcome obesity. Since every patient has a different body type with a different BMI, fat ratio, health complications, etc. it is important that their structured plan is also designed according to these specifications. For this purpose, an integrated CDSS system can be created. CPOE allows integrated CDSS to develop an application that would help the physicians in generating a personalized and accurate structured exercise and diet plan for their patients.

The new CDSS system was developed very efficiently after proper analysis of the requirements. This made the system very beneficial in following ways:

1. Establishment of reliable safety stock levels;
2. Fighting back the inventory issues related to uncertainty and supply chain management;
3. Centralized system for training and assisting users;
4. Helps in identification and formulation of best inventory setting policies;
5. Laid foundation for the formulation of other models including Raw and Packaging Materials Inventory Model; Extended Inventory Model; and a Retailer Inventory Model;
6. Briefly, it has increased the Healthcare Intelligence by allowing them to make more precise and effective decisions related to inventory and supply chain management.

**Challenges and Limitations**

The greatest challenge confronted by operating staff could be the expense cutting system that just about all the organizations will actualize, particularly in the occasion of worldwide budgetary emergency. with restricted stores and resources, operating staff still needs to split their heads to accomplish it anticipates in time and make beyond any doubt services are conveyed obviously. it is additionally an extra challenge to operating staff to handle innovative it services and items in such troublesome period with constrained store and resources for research and improvement, particularly when managing the high-end technology that requires a huge measure of cash.

in addition, the advancing role of operating staff that requires them a healthcare ability is challenging. operating staff is presently needed to make decision for unusual future, which is the regular of healthcare environment. while picking up stress of accomplishing occupation, a operating staff additionally need to act as a pioneer that gives good backings to the team throughout the troublesome times. It is an enormous changes compare to the customary roles of operating staff, whereby now he need to adjust IT and healthcare procedure of the organization as well.

Some of the challenges and limitations of the current system include cost of implementation, lack of training and staff orientation, maintenance cost, etc. These costs may make the project appear less feasible and favorable in initial phases. However, long term investment can ensure a long term improvement and efficiency in regards to the healthcare institutional objective.

Another recommendation to improve the efficiency of CDSS is to make it web based. it will be better to make the DSS web based. This is because the company has branches at various geographic locations and their employees are also diversified. Having a web based DSS will help them gather input from these locations more efficiently with ease of macro conversion. Compatibility issue that is currently prevailing in DSS system will also be resolved.

First of all, in order to sustain in a highly competitive and rapidly changing market, it is important to formulate a precise and highly effective decision making system; secondly, the system including DSS and all other systems being used by the organization must be regularly updated, reviewed and upgraded for enhancing their quality and dependability; and third, aspects of globalization and diversity must be considered and for that purpose, DSS must be created to be web based.

**Conclusion**

To overcome the danger of losing this worth information of the organization, a legitimate disaster recovery plan ought to be ready. The operating staff is responsible to assemble a team who responsible for disaster recovery. as a pioneer, operating staff ought to lead the team in working together impact dissection, created plan for disaster recovery, actualize it, practice it and maintain it. The motivation behind practice is to test whether there is any vital steps forgot in the methodology expressed in occasion of disaster recovering procedure. The disaster recovery plan need to be maintained too for at regular intervals or one year in the event that the organization had actualized new IT infrastructure or individuals in control may had left the company.

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