

Implementation Management Information System (MIS) in the Tehran Vehicle Technical Inspection Bureau

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Abstract

The vehicle inspection centers of Tehran already are active under headquarters. Implementation of the transfer operation of the centers to the private sector, despite the fact that for 5 years was transferred to the private sector, having failed And finally, due to the lack of police protection And no clear diagnosis of targets for reducing air pollution and ..., led to the diagnosis of purposefully not run. Regarding the implementation of office automation network in the municipality of Tehran And implementation of optical fiber between inspection centers, the necessary conditions for the implementation of management information system (MIS) has arisen in the Tehran vehicle technical inspection Bureau. Considering the fact that the most important mission of the Tehran vehicle technical inspection Bureau and technical examination centers in the country are reduce air pollution. Therefore, management information system (MIS) in addition to the Tehran vehicle technical inspection Bureau can be used for the technical examination across the country to be implemented at national level and the main objective is to achieve.

Keywords: Management Information System, Tehran Vehicle Technical Inspection Bureau

Introduction

In today's world to grow better in business, each organization should properly analyze and plan the program. Therefore, management information system, quick sketches, accurate and based on timely information and Valid and Applied, Provides. Every organization needs to compete globally, not regionally. Therefore, such a system is more felt. Computers and information technology are other dimensions have been added to it. [3]

The growth of information technology and its significant impact in increasing the productivity of public and private organizations in the world, Global move towards the use of different types of information systems in particular, Management Information System (MIS), has caused this movement is in the direction of our country. The Movement within the Country Ahead with developments, successes, failures, challenges and faced great resistance. [2]

Many public and private organizations the Management Information System (MIS) as a good tool management and has been used effectively in decision making and more organizations in this process were deprived of its benefits.

Management Information Systems play an important role and key in the third millennium their organizations. Nowadays, information systems a profound impact the hierarchical structure of organizations; so that managers at different levels, No need to know this information.

Anyway, one of the factors in improving decision-making in the organization, There is information systems Of course; these systems have to be careful, Correct and when are.[1]

Management Information Systems In the mid-60s were born. The first management information systems punch cards were using them in office manager's staff working hours that they manage their business information.

After using American military, when computers were trade the first application was information management. In that time few people in company's Computer literacy were and managers over time were aware of computer processing power.[6]

The position information management system (MIS): Management of the system in service organization. The system by providing reports and sometimes with immediate access to current and past activity information agency, to assist managers. Management Information Systems in the task of planning, monitoring and decision-making is effective managers. They are usually information of the process receiving systems and in the abstract reports and Case Offerings to managers. This information was less complicated from a technical perspective and managers have more events. [4]

The definition of management information system (MIS): A system to collect, control and refining the data required to undertake and using appropriate methods of each organization, information refined in order to decide, planning and control of all processes puts the different levels of managers and the purpose of its implementation, raise the level of fixed minor information, Inherent, conjectural, management and solving the problems in the system.[8]

So this system as a good management tool and is effective in decision making. So that to study the issues and problems related to the design process, deployment, operation and development of management information systems in an organization can the decision is important in all sub-units and using a measured and deliberate organization's information management system it can be pared the development and promotion organization and their efficiency will be higher. Because this system serves the management of the organization can provide the reports and sometimes with immediate access to current and past activity information agency to help managers and information systems management tasks of planning, Monitoring and decision-making is effective managers. Therefore, management information system, the system has received the labor process and in the abstract reports the case is presented to managers this information was less complicated from a technical perspective and most of the events are managers.

So the greatest result achieved by implementing this system, for Managers and finally manage complex. It must be a serious commitment to implement the system exists in the Category Manager and the notification that the managers running the system takes place, there is no fear and aversion. [9]

Methodology

For example, a hospital information management system implementation and its impact on different areas are given below. [7]

1. measures of Input
 - Average 1.1 beds per month
 - 1.1 ratio box occupied beds
 - 3.1 ratio of beds to population
 - 4.1 of emergency beds in the hospital bed
 - 5-1-bed to population ratio
 - 6-1-proportion of patients in each of the specialties
 - 7-1-patient staffing ratio in terms of job field
 - 8-1-frequency referred to by the type of insurance
2. measures of Process
 - 1.2 Average time accepting emergency patients (administrative affairs admission)
 - 2-2-average waiting time from arrival at the first medical examination
 - 3-2-The average time waiting for prescriptions to the nursing
 - 4-2-average waiting time experiments to get immediate medical command result
3. measures of Output
 - 1.3 The BOR
 - 2-3-the number of beds occupied by people employed in each sector
 - 3-3-rate emergency surgery
 - 4.3 of surgical procedures performed in emergency temporary hospital emergency
 - 5-3-average residence time of those admitted
4. measures of Outcome
 - 1.4 mortality rate
 - 2-4-incidence of medical errors
 - 3-4-rate reduction was successful
 - 4.4 The complaints made
 - 5-4-satisfied patients
5. Detailed Information
(It should be noted that the interpretation of a work team)
 - 1.5 Compare the data with goals
 - 2-5-compare data with other similar centers
 - 3-5-compare data obtained with standards
 - 4-5-compare data obtained with the same time last
 - 6.Emphasise information management system
 - 1-6-wide data organization
 - 2-6-support decision-making
 - 3-6-Management Tips
 - 4-6-system-based computer
 - 7. Effects of information management systems in practice
 - 1-7-educate themselves quickly about the problems, issues and opportunities
 - 2-7-increasing opportunity to address the planning

- 3-7-cutting of small problems and address the fundamental problems
- 4.7-correct and timely decisions

The equipment needed is

1-The training of personnel using the following methods:

- 1.1 increased knowledge of organizational units to define the needs and expectations of the system. 1.2 build expertise in users' willingness to work with and create some users to change the system and changing attitudes in the workplace
- 1.3 Meetings with managers to justify and support them in implementing

2- Create a platform for the implementation of management information system (MIS) using the following methods:

- 2.1 lack of quality data and conflicting systems in different parts of the organization
- 2-2 Create data sources for the implementation of performance management information system (MIS)

3. Create Platform for the implementation of management information system (MIS) using the following methods:

- 3.1 coordination between organizational units for the implementation of an integrated process (such as the application process product or service request vehicle)

The effects of the proposal:

- 1. Downsizing and agility of the organization
- 2. Increase revenue and reduce costs
- 3. The quality and increase productivity

Discussion and conclusion

Considering the fact that the inspection mission in Tehran and technical examination centers in the country is reducing air pollution, Therefore, management information system (MIS) in addition to the Tehran vehicle technical inspection Bureau, Can be implemented at the national level for the diagnosis of nationwide and the main objective is to achieve the implementation of this system has advantages as follows:

- 1. Given that the technical examination by the Ministry of Interior to implement the integrated plan (Plan Symfa), It is necessary that technical examination in the country to join the network, Therefore, the implementation of management information system (MIS) in addition to the diagnosis of Tehran contributed a lot to the implementation of the Symfa at the national level. (Avoid repeating useless information)
- 2. Considering the fact that setting up a national system of inspection the capital is one of the most important environmental urban management and if implemented could travel on all roads precedents for health in the country. The implementation of this system requires integration, Unitarianism, creating policy, clearly articulated policy in the country (national) is the implementation of management information system (MIS) can set up a national system of inspection in Tehran and across the country help. (Ease and speed of access to miscellaneous information at a glance)

3. The implementation of management information system (MIS) makes up the only available information is not a person and so it is normal to one person that's mean in addition to managing the information available was of middle managers and with the knowledge of all persons, or a decision can be made for the organization. (Creating structures and decision-making)
4. Enforcement Management Information System (MIS) will facilitate the flow of information. (Integration of all communication systems)
5. Enforcement Management Information System (MIS) allows the raw data into information is available on the organization personnel training citizens with the required information can be easily placed at their disposal. (Gain greater efficiency in the organization)
6. Enforcement Management Information System (MIS) makes the system is available on all methods and procedures exist in the organization full control.

The implementation of this system makes it so try and prevent the occurrence of errors and finally this system leads to focus on value creation and improve processes and satisfaction of the customer.

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