Smart Management Information System (SMIS)

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ABSTRACT

Smart Management Information System (SMIS) is primarily concerned with the transformation of data into information and then the information is conveyed in an organization among the distinct departments for effective decision-making. SMIS is a component of the organization's clear planning and monitoring operations covering individual, infrastructure, and company procedures, it will also help and enhance the day to day report generation process. The smart management information system will also provide the website's self-organized layout according to a module's ranking, which is based on the usability and regency of themodule.

Keywords--Management, ranking, Information, reports, monitoring.

I. INTRODUCTION

A smart management information system (SMIS) is a computerized knowledge database designed and optimized to provide documentation of activities conducted every day within an institute or an organization for each management level. Institute must have access to complete, reliable, and timely information about the company to increase accomplishments and progress of the departmental work. Institute supervisors, managers and policy makers should know what works and what isn't within an organization, and manual management makes it difficult for admin to handle.

The proposed research is aimed at improving a web-based application that reduces an individual's time and effort consumption and offers a dynamic, self-organized smart management system.

SMIS demonstrates you how organizations are now using information systems to solve business problems every day. Illustrative instances, activities and other tasks insure that you are linking principles with daily life. Recently, the market for information management systems has grown, as the MIS aims to combine computer technology expertise with business skills. MIS program managers will refresh theirs continuously services sticking to the pace increasing levels of information systems transition sector. As said by [1] Corporate operations and decision-making are largely based on information that individual and specific IT systems have provided or generated. Such systems are used to collect, harvest, organize and produce an output that would be quick sound business decisions. In order to enhance decision-making procedures, improve results and reduce production costs, businesses adopt new management techniques and frameworks. It can be characterized as an interconnected and structured method for capturing and translating relevant data into correct information and presenting the same to the executives concerned. MIS ' main objective is to "provide good details when the time is right to the right people."[1]. Management Information System is a part of an organization's structured information network.

Knowledge which has great importance in strategic planning is seldom accessed at golf courses. Nevertheless, this information is not part of MIS, because "one-shot market research evidence gathered to assess the full potential of a new product does not, by our interpretation, come within the purpose of a management information system, as such information that is routinely stored is not periodically obtained" (Belassi and Tukel, 1996). The details a MIS provides also helps managers make strategy and management decisions (Jorgenson, 1989).

II. LITERATUREREVIEW

HeWei[2], Wuhan says that Due to the development in the field of computer and network technologies, the equipment management system (MIS) has become an important topic in equipment management area. Research on a New Intelligent Industrial Equipment MIS (paper) develops a New Smart Industrial Devices MIS by using technologies like ASP.NET, ADO.NET and the system was developed in .NET platform and C#. This paper gives a good explanation of user info management, data analysis, report forms module and database design, which helps in the design module.

HouQiyuan[3], describes The previous management system was decentralized and independent. This increases the cost of management and is unable to handle today's complex applications. This makes the development of government management information system particularly important. It gives the system's platform to achieve send and receive text management, conference management, bulletin management, employee information management, document management and office management. Later these modules were tested and were proved to be good.

Symantec World Headquarter [4] writes, Organizations depend on IT and systems to run their business. Yet most organizations aren't organized presently information technology by their information but over the next four years, IDC predicts that the digital universe will expand by 400 percent. Now a day's failures to a secure system are in the news because halting information flow means halting organization this study uncovers the four actions every organization should take to eliminate information's unavailability called Moore's law.

Kenneth C., Jane P., Ahmed Elragal wrote a book named MANAGEMENT INFORMATION SYSTEMS Managing the Digital Firm [5] In this book the authors state the importance of MIS or Information System in the modern era of technologies. With the help of examples of transforming technologies, the advancement of cloud computing involves the growth of mobile digital business platforms based on smartphones, netbook computers, and, not least, Managers utilize social media networks to accomplish business goals. the Business management has shifted with new high-speed handheld devices and portable laptop computers on the path only seconds away from their managers question and oversight.

III. RELATEDWORK

Observed Product: Honda is the biggest producer in the world of motorcycles and Combustion engine estimated over 14 million Within fire volumes per annum. It has also produced unbelievable amounts of data with Honda's success in the manufacturing sector. While IT departments have an advantage over developing hardware components to store large volume of data, the "information gap" still remains in the Honda to meet the needs of usable data to make effective and efficient decisions at the right time. To Honda, it is important to get the correct of knowledge in today's environment which was not needed before, thereby reducing costs, increasing productivity and maximizing profits. With the presence of computers everywhere, it is hard for any business to escape from the use of IT systems. Some of the fields or departments are there in HONDA where MIS is priceless. Although computers cannot build their own strategies, they can still assist company managers in efficient decision-making

processes and make them understand strategies usefulness. MIS can transform data into productive reports which you can use when making decisions in decision-making process. MIS also helps Honda to provide performance reports and financial statements that are usable in the preparation, tracking and execution of plans. Honda also gets the information regularly from the Management Information System. The word MIS is composed of three main functions: Arrangement, Objective and Order. The information system is useful for different purposes, and at different levels. The principal applications are:

1. Preparing and executing Strategic Plans

2. Implementation support and strategic planning.

3. Deletion or contraction of the service intervals.

4. Improves productivity of workforce which leads to productive work

5. Understanding the needs and aspirations of the customers better.

6. Less time cycles of product development and commercialization.

7. Smooth the company growth and re-engineering process at Honda. [6]

IV. PROPOSEDSYSTEM

The proposed system will be used by the organization to promote a range of administrative tasks, including registration and maintenance of Wi-Fi connectivity, identification of staff, tracking and management of resources, etc. And will make the project's most recently used feature easily accessible. Such systems would be very different, competitive from the traditional systems used for evaluating and promoting the company's strategic and operational activities.

Block Diagram: The block diagram (fig 4.1) illustrates the user interacting with the program using a browser. The client must create a connection with the database and the server and the user will be able to carry out the activities necessary.
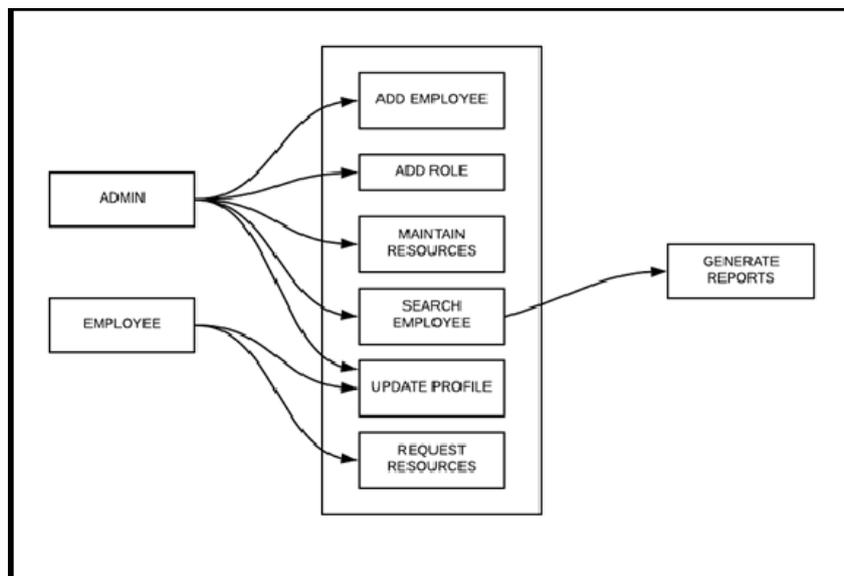

Fig 1: BLOCKDIAGRAM

CONCLUSION

We also suggested that our understanding of the system, in line with the problems of the existing system, by making a full outline of the system onpaper.

1. **Cost:** The cost required in the proposed system is comparatively less than the existingsystem.

2. **Effort:** Compared to the existingsystem, the proposed system will provide a better working environment in which there will be ease of work and the effort required will be comparatively less than the existing system.

3. **Time:** Also the time required generating a report or for doing any other work will be comparatively very less than in the existing system. Record finding and updating will take less time than the existingsystem.

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REFERENCES

[1]. Using Management Information Systems (MIS) to Boost Corporate Performance [Mohammed, Al-Nakib Noofal Ahmed Mohsen, Hu Wang. "Using Management Information Systems (MIS) to Boost Corporate Performance." Journal of International Business Research and Marketing 1.11 (2015):55-61].

[2]. Research on a New Intelligent Industrial Equipment MIS [Author: HeWei, Wuhan Inst. of Technol., Wuhan. Published in: Computer Science and Information Technology, 2008. ICCSIT '08. International Conference]

[3]. Government Management Jemoent Information System Based on J2EE. [Author: HouQiyuan, Politics & Public Adm. Coll., East China Univ. of PoliticalSci. &Law, Shanghai, China. Published in: Intelligent Transportation, Big Data and Smart City (ICITBS), 2015 International Conference on 19-20 Dec.2015]

[4]. A Practical Approach to Information management [Symantec World Headquarters 350 Ellis St. Mountain View, CA 94043 USA.]

[5]. MANAGEMENT INFORMATION SYSTEMS Managing the Digital Firm Authors: Kenneth C. (Laudon New York University) Jane P. (Laudon Azimuth Information Systems) Ahmed Elragal (German University in CairoGUC)

[6]. Essays, UK. (November 2018). The Application of Misin Honda. Retrieved from https://www.ukessays.com /essays/information-technology/the-application-of-mis-in-honda-information-technology-essay.php?vref=1