

MIS Health

Offering	Management information system
Customer	Health Department, Government of UP, India
Industry	Government

Improving the health status & quality of living of the People of Uttar Pradesh is the prime objective of Department of Medical, Health and Family Welfare, Government of Uttar Pradesh. MIS Health is laying a vital role to help department achieve fulfill its purpose in most efficient manner. Every aspect related to the management of Organization is covered, be it Personal details of hospital members, health related details, hospital related details or finance related details.

Customer Profile

The department is involved in service of Mankind since its very inception in 1921. The Department initially provided its services under the name of "Provincial Subordinate Medical and Provincial Medical Services". This department is responsible for providing Medical, Health and Family Welfare related services to the densely populated state of Uttar Pradesh (166,05,2859) spread over a vast area of 2,40,982sq.km.

Solution

Health related information is catered through a web based solution .All health activities are divided up in four major sections:

1. Personal Information System (PIS)

Introduction

Imagine all personal and posting details of every doctor related to Health Department being maintained on web along with no. of vacancies and posts sanctioned in all hospitals at different levels and designations. Along with this joining and relieving of each doctor is done through this system. Users of Department of Medical Health with authorized rights can login to the site and check all the Personal and Posting details as well as Hospital Record, Salary Details, Joining and Relieving Details and Inspection Details through customized reports depending on the login rights.

Problem

Perfect monitoring of doctor personal and posting details on such a vast scale through paper work manually was not possible. Records related to joining and relieving information of a doctor along with sanctioned and filled posts satisfying different parameters in a hospital was quite cumbersome to collect. Finding no. of vacancies available and filled in a hospital as per requirement was a tedious job in manual process. Along with this generating report related to doctor details for whole state was quite problematic and time taking task.

Highlight Points

Users can view data according to login rights i.e. one district user can view details related to its own district only. Doctors can be relieved from one hospital and joined in another hospital online only generating important documents for this purpose. This system can generate customized reports according the Organizational need. Complete analysis of various hospitals related and doctor related details can be done online. Statistical analysis of the data for decision support/intervention. Well defined user categories and their roles in the system.

2. Health Management Information System (HMIS)

Introduction

HMIS is basically a Management Information System for Hospital. It's primary objective to help the people at management level. HMIS is one of the initiatives of UPHSDP to facilitate planning and monitoring of medical and health service at the all levels in the state. We all know that there are various hierarchies in the Medical system. Needs are varying according to the hierarchies. This system is capable to fulfill all the demands by the medical system in the form of information.

HMIS contains eight modules to fulfill all the requirements of the medical department comprising of Institutional Infrastructure, Hospital Activity, Disease Surveillance, Family Welfare, National Program, Drug Inventory, Vital Statistics and Health Camps This system takes raw data from the hospital and then generates the information after mining the data.

Problem

At the block level, there are different types of institutions: CHCs, upgraded PHCs, and block PHCs. These institutions are mini hospitals and cover the population of 80,000 to 1, 20,000. And there is various level of information flow in the system. Here complexity involves because there is a bulk of raw data in the hospitals. Manual compilation and information generation is very tough. And we are restricted due to time limitation.

Highlight Points

This system can generate reports according the Organizational structure.

This system can generate the customized reports according the need.

Monthly, quarterly, yearly, reports at all levels for planning and monitoring different activities/programs.

Statistical analysis of the data for decision support/intervention at all levels.

Well defined user categories and their roles in the system.

This is developed on the latest technology which facilitates the users in using the system like by using crystal reports we get a lot of facility in user's point of view.

Graphical reports can be generated for quick analysis

3. Finance Management Information System (FMIS)

Introduction

FMIS is one of the capacity building initiatives of UP Health Systems Development Project (UPHSDP) to facilitate sanctioning, allotment, expenditure, surrender and re-appropriation of yearly financial budget of Health Department. The primary function of the application is allotment of budget to the Drawing and Disbursing Officers (DDO) of different treasuries, receiving the expenditure and surrender statement from the DDO's and re-appropriation of the budget.

Problem

In the current scenario, all the budget activities like allotment, expenditure, re-appropriation are done manually and it is very time consuming and tiresome to generate the reports manually. Moreover, it is difficult to keep track of how much amount is allotted to DDO's and the amount of budget left for allotment. The DDO has to send his expenditure and surrender statements.

Highlight Points

The system is time saving as all the budget activities like allocation, expenditure, surrender etc. can be done online.

DDO can enter the expenditure and surrender statements online through the system.

This system receives all the budget data directly from the text file.

Well defined user categories and their roles in the system.

This system can generate the customized reports according to the need of the user.

This system uses latest technology like Crystal Reports and XML.

4. Hospital Management System

Introduction

HMS manages all activities of the hospital which are related to Registration of the Patients, Drug Inventory, medical test results and containing information of IPD/OPD etc. This is the primary unit for other system. This system forms the base for HMIS.

Problem

It is much cumbersome task to contain all the activities manually which is related to management of the hospital. Manually patient's registration takes a lot of time and is not good enough in solving registration related problems. Similarly, manual

process is very hectic to contain information of drug, managing lab result and information of IPD/OPD etc. There exists a lot of paper work to collect this information.

Highlighted Points

HMS computerized system is much time saving system and gives fast results according to need.

It generates per day report of patient registration.

This is the primary system to collect the information according to various parameters (e.g. Age group, Patient Category and Disease etc.)

This system produce various information's to the higher levels.

Hardware /Software Details

Architecture: Three tier client-server architecture

Users: Multi-user system

Software: SQL Server 2000 (Enterprise Edition), ASP.Net 2.0(Vb.net), Crystal Report, Asp (Vbscript, Javascript)

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