Success Story

Implementation of Disease Investigation and Health Management System

Storyline...

The client was the Department of Animal Husbandry and Veterinary Services (DAHVS) under the Indo Swiss Project, Sikkim.

MaGC® (formerly NCRCL®) was engaged to develop and implement the Disease Investigation and Health Management System (DIHMS) software across the state. The software was successfully designed and deployed which has resulted in better efficiency and planning in disease monitoring.

Once upon a time...

The DAHVS is primarily responsible for all aspects of growth and development of livestock sector in the state of Sikkim. In 2002, the DAHVS undertook the computerization of its activities pertaining to prevention and control of diseases in livestock.

Moving on...

The team began with a detailed study and mapping of processes in the DAHVS. The functional requirements were translated into software specifications. The actual development work was undertaken from Bangalore. The deployment was done in a phased manner across the four districts.

Users were trained in processes and usage of the software. The implementation ended with the submission of documentation in the form of an application user manual. The MaGC team provided support to the client staff till they were comfortable with the system.

The challenge was to implement a user friendly system and handle the complexities in the design and coding of the software. DIHMS software captured the three main types of transactions pertaining to the functioning of the department namely, animal related information, disease related information and medicine related information. The DIHMS provided a large number of analytical reports such as animal population analysis, disease incidence analysis, effectiveness of preventive measures, consumption of medicines.

Considering the poor connectivity, the system provided for offline data transfer from the districts to the head office through external storage media. More than 30 different reports were provided to analyze the data in different ways and help the Management in decision making.

Finally...

Capturing and handling large amounts of data became easy with the introduction of DIHMS. The quality of data also improved, thanks to built in validations, uniform data entry procedures and standard reports. DIHMS largely reduced the time for compilation and analysis of data by avoiding duplication of efforts. Subsequent to the main implementation in 2002, MaGC was again approached by the DAHVS in 2007 for certain enhancements to the DIHMS software.

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