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Advanced computer medical technologies used in hospitals

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Computer is excellent means for storage of patient related data to maintain the medical history of patients Health Information and prescribed medicine. Computer storage can serve as best information to journals, research, diagnosis papers, important medical document and reference books can best be stored in an electronic format. Advanced computer-based system used to examine internal organs of the body, if any complex surgery can be performed. Computer-assisted Surgery is a fast-advance field in medicine, includes medical expertise with computer intelligence, it gives faster and accurate result in surgical procedures and used to creates a model of the patient, analyze prior to surgery and then simulate on the virtual image of the patient. The sugary can be performed by a surgical robot, the robot assist doctor in the actual surgery. Medical imaging deals with techniques to create images of human body for medical purpose based on computer technology and it used to make digital geometry processing techniques to obtain 3-D images. Computers and infrared camera are used for obtaining high-resolution images. As well as the functioning of hospital-bed beeping systems, emergency alarm system, X-ray machine and several such medical appliances is based on computer logic. Computers allow faster communication between a patient and doctor. Doctors can collaborate better over the Internet. Now, it is possible to obtain experts' opinions within seconds through the Internet. Medical practitioner can discuss medical issues in medical forums, blogs, etc.

Biography

Mahesh Deshmukh has completed his MCA from University of Pune, Pune (India), presently he is serving as an Assistant Professor, Departments of Stat., Math. and Computer science at College of Dairy technology, Udgir (Maharashtra), India.