

Home Healthcare (Web Telemed) Features



Online Infocom.

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Summarized Features

- Web Tele Med is browser Based Application that can be used as Internet based as well as Intranet based Client-Server (n-tier architecture based) Application.
- The main purpose of the system is to provide expert facility to the patients from any Remote location.
- Specialist treatment can be given from any part of the world.
- Transfer of patient details and documents for getting specialized, expert, healthcare opinion.
- User-friendly Interface.
- Easy, Fast and Uninterrupted access.
- Patients can view their own data from their home too.
- Standard protocols are used for data & file transfers (z-modem, TCP/IP, DICOM).
- Support of communication media viz. ISDN, PSTN, LAN, WAN, Wireless according to requirements.
- Standard encryption and compression techniques are used to ensure data security and faster access.
- Web Tele Med is utilized by health providers in a growing number of medical specialties including dermatology, oncology, radiology, surgery, cardiology, psychiatry, and pediatric and health care.
- Store and forward of electronic medical data
(i.e. high resolution images, sounds, live video and patient records.)
- Video conferencing.
- HL7 2.3+ Based Patient EMR Details.

- Import and export of existing HIS Database in hospitals.
- Processing of medical images as per DICOM 3.0 standards.
- Server has redundancy features like
 - (a) System level failures. (b) Database updates at the server end.
- DICOM Viewer with image processing functionalities, which can view all DICOM images.
- Real-time ECG Data transmission and Streaming.
- High Image compression and decompression techniques without losing image quality.
- Internal mailing System.

Basic engine of Webmed

Basic Engine can be converted in to different speciality subject like

- Agimed (Senior Citizen care for both Security & Medical)
- WebRAD (Radiological Image Transfer & Management)
- WebRadiotherapy (Oncology patient treatment & Mapping module for CT, MRI & PET)
- Web CME (Continuous Medical Education module for updating Medical doctor, paramedical staff & other health education programme remotely.
- Web Epidemiology – Disease Surveillance (Malaria, Bird Flu, SARS, Tuberculosis,)
- Web path (Pathological Diagnostic investigation & Report generation)
- Web uro (Urological Diagnostic & Monitoring Parameter through Urology & Urodynamic)
- Web Care & Critical Care management system for managing the patient in trauma as well as & remotely monitoring multi parameter monitor & Ventilator WEBOpt
- WEBScopy