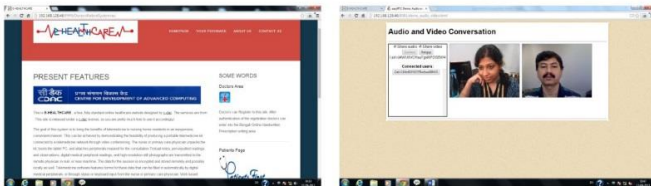


Bangla Handwriting Recognition

Bangla Online Handwriting Recognition (OHR) System

“Telemedicine” is evolving as a standard ICT based facility which can play an effective role in improving healthcare facilities in our country. “Local Language Interfaces” in Web based Telemedicine Application using Audio-Video Conferencing System with Online Bangla OHR add real values in this field.

Web based Telemedicine Application using Bangla Handwritten Prescription



Front Page

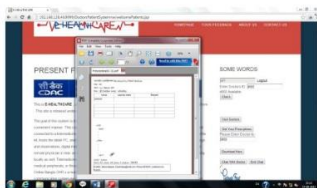
Audio-Video Conferencing using HTML5



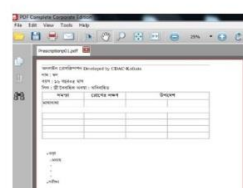
Doctor's Signature using HTML5



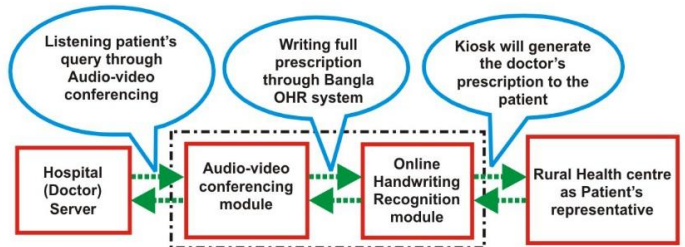
Writing Bangla Prescription



Downloading of Prescription



Generation of Online Prescription



System Block Diagram

Features of Bangla OHR

- Handles all alphanumeric characters; compound characters used in Bangla Handwriting
- Can handle selected Bangla Medicinal terminologies.
- System takes online pen tablet data as input.
- Output is stored in Unicode file format.
- Easy to operate and editing facility for wrong entry.
- Acceptable Recognition accuracy in writer independent mode.

System Features: Web based low-cost, virtual medical consultations between doctors & remote patients located in various medical facilities.

- Doctors can write Bangla prescription & patients can download it in pdf format authenticated by doctor's signature taken using HTML5
- **Seamless Conferencing**
 - This application represents web conferencing Scenario built with lightweight HTML5 components & Javascripts with no plug-in installation.
 - Two-way video conferencing with audio input from digital peripherals, as well as textual inputs.

Software Requirements:

- Supports MS-Visual C++ environment.
- OS: Windows XP Tablet PC Edition 2005, Windows XP Professional, Windows 2000 Service Pack 4
- Web browser: (Google Chrome 9 or Higher for best functionality)

Hardware Requirements:

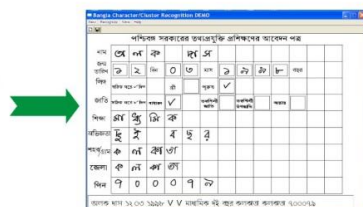
Pentium 4 (DUAL CORE preferred) with minimum 1GB RAM (2GB Recommended), 80MB of Hard-disk space for installation.

Bangla Online Form Processing System

Development of online form processing system using online Bangla OHR system is an outcome of our initiatives in e-Governance application for extending the services to remote places for the citizen through innovative ICT application.



Online Handwritten Input Through Pen-Tablet



Online Form Processing Application

ICT & Services Group:

प्रगत संगणन विकास केन्द्र

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