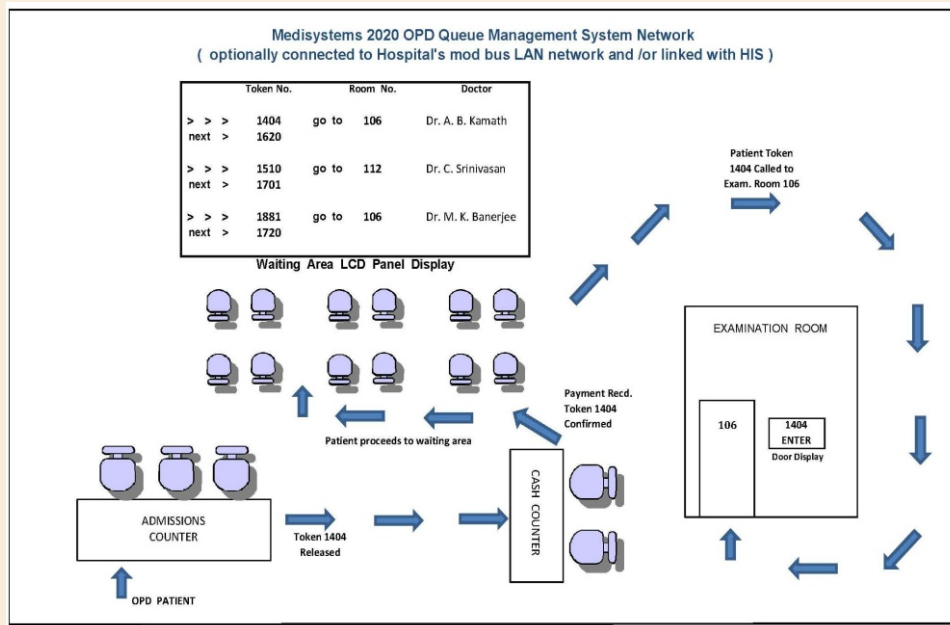


HOSPITAL SOLUTIONS

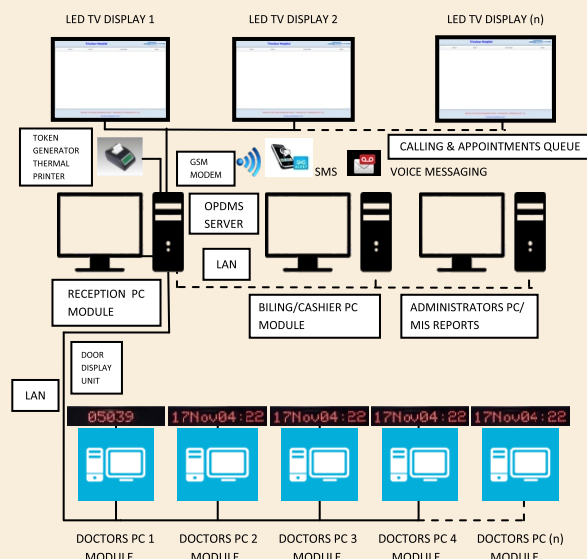
The Medisystems model 2020 series of OPD Management Systems have been specially designed for the large OPD's that are now a routine necessity in hospitals all over India. Through its model 8020 OPD Patient-Call Systems, Medisystems has acquired enviable exposure to OPD management practice in different environments and in all types of hospitals.

The Medisystems OPD Appointment & Queue Management System has been configured to manage the registration of advanced and current patient appointments, along with orderly collection of payments, calls to the assigned consulting rooms by the concerned doctors and, finally, provision for immediate logging of doctor's examination reports – if so required.



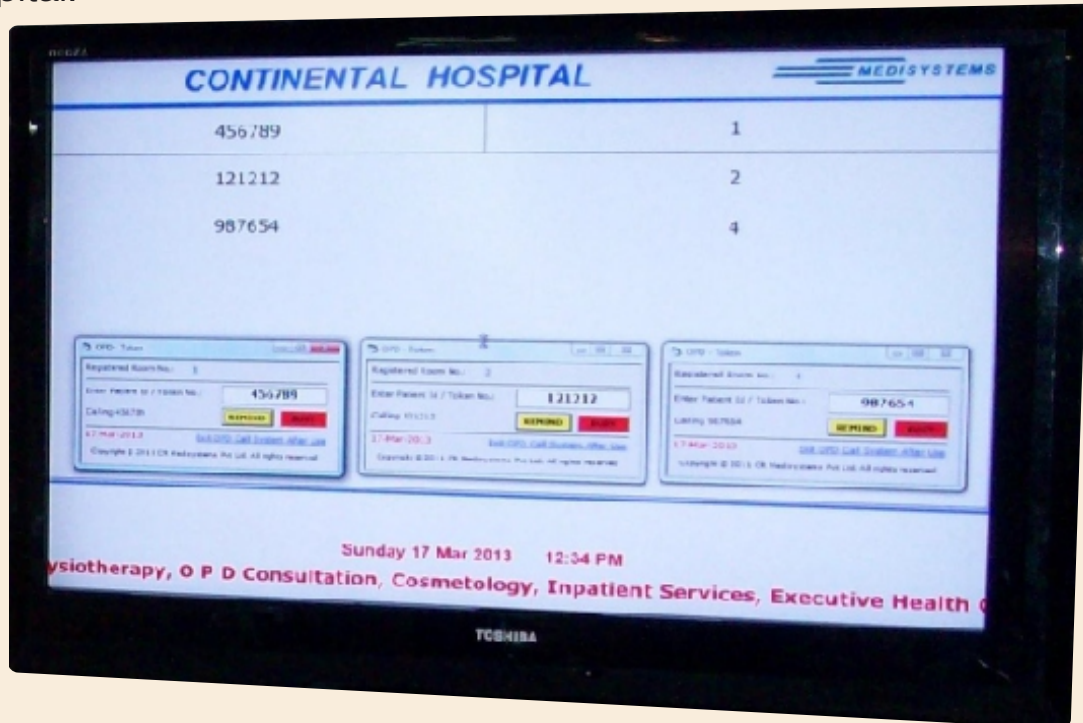
Patient Flows

The system is structured with a set of standardised hardware and software modules. The system comprises an OPDMS Server with call display drivers, Door Display units and all the associated software modules to manage the OPD appointment registration, payments and patient-call activity. Wherever opted for, high visibility LED TV Displays for patient waiting areas can also be included within the scope of supply.



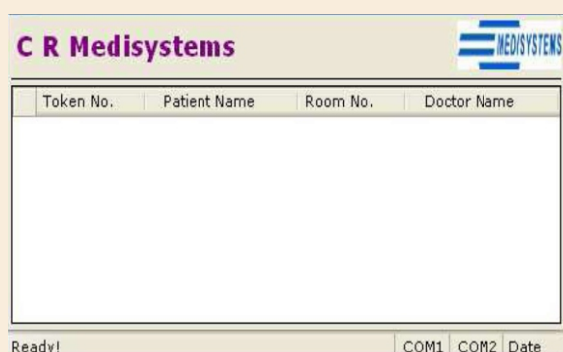
2020 OPD QMS System Architecture

PC Terminals at the registration counter, payments counter and at the doctor's desks within the examination rooms are to be supplied and installed by the hospital, as also, wide screen LCD display panels within the patient-waiting areas – if such types of displays are opted for by the hospital.



Waiting Area TV Displays

System operation begins with any patient approaching one or more OPD registration counters to request for same day appointment. The counter clerk asks for and logs the patient's name, gender, age, reported (brief) symptoms and desired doctor's name when already known to the patient. If no doctor preference is given by the patient, the receptionist may infer from the reported symptoms and assign a doctor's name from one of the general physicians assigned for such patients. The standard charge for the standard OPD procedure is also logged by the receptionist. The receptionist or patient can print out one or more A4 page printouts/ token slips from a token generator, of which the first is retained by the receptionist. The printout will carry an assigned token no. or a patient ID no. If the hospital has made provision for such ID numbers. The number is automatically system generated and in chronological sequence regardless of the counter from where the printout is obtained.



Appointments Module



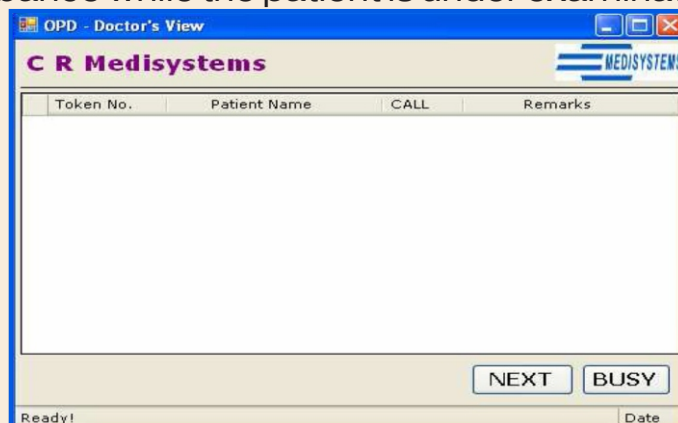
Token Generator & Thermal Printer

Next the patient takes the printout to the payments counter, where upon payment the cashier acknowledges the payment and forwards the entry for display and calling by the concerned doctor.

The patient then waits either in the common waiting area or, if the hospital has provided them, in one of the localised waiting areas assigned for such patients.

The system updates the appointment chart which is made available on the PC terminal of every examining doctor's desk. All the doctor has to do is click on the line indicating the next appointment. The correct patient ID or token no. will flash on the relevant display in the waiting area indicating the room that the patient should proceed to. The same number will also be displayed at the entrance door of the calling doctor where it will flash along with a CALL request.

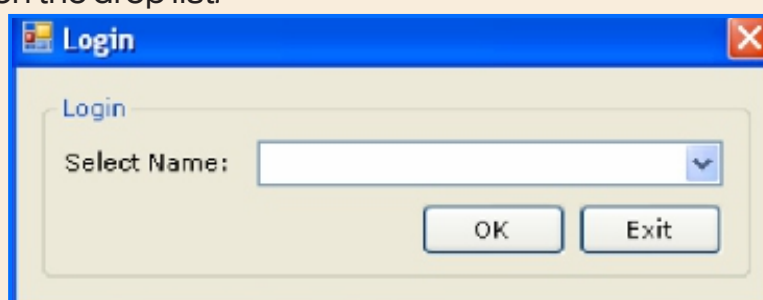
Upon entry into the room entrance showing the patient ID at the door display, the patient will hand over the paper slip to the Doctor for checking the patient ID no. with the no. displayed on his computer terminal. The doctor may now click on the assigned location on the monitor to signal that the room is BUSY. This message will flash at the door display unit to ensure no further disturbance while the patient is under examination.



OPD Doctors Calling Module

On completion of the examination/consultation, the doctor may proceed to click on the next in line patient showing up on the appointment chart on his screen. Optionally, and before calling in the next patient, the doctor may call for the report screen and quickly type in a brief report on the patient just examined. This will be retained on system memory for a pre-determined period. Upon calling for the next patient, the whole cycle repeats.

To address the situation frequently found in hospitals of a doctor not always occupying the same examination room no. every day, the system presents the freshly entering doctor with a log-in screen, where he not only logs in his presence but (automatically) also his location for the day. He does this merely by clicking on his own name on the drop list.



Secure Login

The above 2020 OPD Patient Management System can function stand-alone without support from the hospital's HIS. When needed connectivity to the HIS can be established and OPD data forwarded to the HIS.

On option, the above system may also be linked to the wider hospital HIS. The connecting link is the patient ID which is common on both, the HIS and the OPDMS. Through this, all relevant data from the OPDMS can be made available to the HIS for permanent record keeping. Even without exercising this option the OPDMS can deliver all relevant management information and records pertaining to OPD activity.

In comparison with the largely manual procedures prevalent even in crowded OPD's, the Medisystems 2020 OPD Appointments and Queue Management System ensures:

1. Seamless movement from front registration desk to completion of examination or lab tests.
2. Freedom for any doctor to occupy any available examination room
3. Automatic and on line update of the appointment chart for each examination room.
4. Patient-call audio-visual alert on all displays without supervisory intervention.
5. Provision for central and satellite waiting areas.
6. Stand-alone capability including report generation even if not linked to HIS.
7. Provision for linkage to hospital's HIS, if so desired.

Report Generation and Analysis:

Among routing reports which can be system generated:

1. Running lists of OPD patients daily, weekly and monthly, with patient ID and/or Token no.
2. Daily/Weekly/Monthly lists of patients examined by each Doctor
3. Daily/Weekly/Monthly attendance by Doctor
4. Daily/Weekly/Monthly wait time summary for patients
5. Daily/Weekly/Monthly OPD volume of traffic reports, including peak times.
6. Customised reports based on system's standard data capture can be considered on request.

Medisystems Hospital Solutions also include Nurse-Call Systems, Bed-Head Panels both, standard and customised, Patient-Bed Lamps, ICU Pendants, OT Pendants, Control Panels & OPD Patient-Call Systems.

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