Hospital Management System [HMS]

**Unregistered Patient**

1. Register

|  |  |
| --- | --- |
| Prefix | Email address should unique to each registration |
| Process | Patients are able to register; unique number called PATIENT NO will be issued for successful registrations. Eg P0001  **Fields** [ First Name, Last Name, Date of Birth, Gender, NIC, Telephone, Email, password ]. Login ID is the PATIENT NO |
| Postfix | Email message for successful registration |

**Registered Patient**

1. Username and password patient number,
2. OPD / **Clinic specialize doctor select on clinic**
3. OPD also need appointment

|  |  |
| --- | --- |
| Prefix | Doctor record should available in the system |
| Process | Patient selects OPD / Clinic and the doctor and places the appointment.  [OPD / Clinic , doctor position, doctor name, date time]  Do the payment |
| Postfix | Print the receipt  Record will available in patient Appointment Explorer  The record will be appeared to the doctor, admin login |

1. Lab availability

Patient check the lab availability for lab test

|  |  |
| --- | --- |
| Prefix | Lab test details should be added and maintained by the Lab in-charge |
| Process | Select the test and check if it is available for particular date |
| Postfix | Display the availability |

1. Drug availability [not practical, patient don’t know about drug details]

The drugs which was prescribe by the doctor can be checked availability by the patient

1. Online appointment [details], payment , bill generate pdf , notification

Describe on point 4

1. Manage appointment

Patient can cancel the appointment from Appointment Explorer,

|  |  |
| --- | --- |
| Prefix | Appointment should be placed |
| Process | Select the appointment and cancel |
| Postfix | Cancel the appointment , Notification will be sent to doctor |

1. Cancel appointment , doctor and patient notification

Describe on point 8

1. Feedback

Patent able to leave feedback on web site

1. Weekly , monthly annual report

Appointment reports related to particular patient

1. Manage Profile

Change password

**Transport Manager**

1. Manage ambulance

Manage ambulance details [Vehicle No, remark]

1. Manage appointment inform [details]

Manage ambulance appointment request, that can be accept or reject

1. On call ambulance (need details)

**Registered Doctors**

1. Login
2. Availability management

|  |  |
| --- | --- |
| Prefix | Doctor should be registered and login |
|  | Manage his availability [date time from to] |
| Postfix | View my availability |

1. View Appointment list

View the appointment list.

1. Patient medical history

View patient past records

1. Patient profile [details]

Detail of a patient [First Name, Last Name, Date of Birth, Gender, NIC, Telephone, and Email]

1. Search drugs availability

Search panel for drug availability by name

1. Admit and Discharge patient to ward -> patient in waiting list

|  |  |
| --- | --- |
| Prefix | Patient should available on the registered patient list |
|  | Select the patient, [ward, date, to be informed immediately, blood bank ] |
| Postfix | Issues a admit number |

1. Transfer to another hospital

Select the Admit number, select the available ward and transfer, reason remarked.

1. Check drug availability

Point 21

**Administration HR Management**

1. Doctor registration

|  |  |
| --- | --- |
| Prefix |  |
|  | Fill the details of [first name, surname, degree, post, special qualifications ] |
| Postfix | Issued a doctor registration number eg D0001 with temporary password |

1. Create Pharmacy, Transport ,Accountant, OPD ETU,

Create other users for the system

[first name, last name, nic, dob, employeeno] employee number will be the login ID

1. Manage item request from LAB in charge

Accept, reject item request from departments . item purchasing

1. Manual patient registration

**Pharmacist**

1. Managing drug [details]

Drug name, quantity management

1. View Stock

Insert Update stock details

**Accountant**

1. Purchasing request [details]

Approved item request get purchased (point 29)

1. Manage employee salaries, doctors and other user’s salaries. [details]

Doctor salary is based on number of appointment for particular date range + some % from the hospital

1. Cost maintains

Maintains additional const

**In charge of OPD Clinic and ETU**

1. Patient details report in date range who visited to OPD
2. Transport request

Request ambulance

**LAB in charge**

1. Lab inventory management

Mange item names quantity

1. Lab test details manage
2. Item request

Request item from Admin

1. Lab cost

Cost recodes for additional

1. Patient Reports

Patent vise report

1. Inventory Report

Lab item detailed report

**Ward Management**

1. Manage ward details

Add and manage ward details

1. Manage staff

Allocate staff to ward

1. Approve waiting patient

Doctor request to admit patient, after approving only patient get on boarded.

1. Transport request

Request transport from ambulance