

E-channeling System Requirements

1. Functional Requirements

Doctor

I. Registration

- Doctors should be able to register on the system by providing:
UserID,
Name,
Password,
Phone,
Specialization.

II. Login and Profile Management

- Doctors should be able to login with valid credentials (UserID, Password).
- Doctors should be able to update their personal data (Phone, Specialization).

III. Schedule Management

- Doctors can view all their schedules.
- Doctors can add, update, or delete channeling schedules.
Each schedule must include:
Doctor's ID, Channeling Date, Time, Number of patients per schedule

Patient

I. Registration

- Patients should be able to register on the system by providing:
NIC,
Name,
Phone,
Password.

II. Login and Profile Management

- Patients should be able to log in with valid credentials (NIC, Password).
- Patients should be able to update their personal information.

III. Appointment Booking

- Patients should be able to view available channeling schedules.
- Patients should be able to make an appointment.
- Each appointment should not exceed the patient count per the channeling schedule.

2. Non-Functional Requirements

I. Data Persistence

- All data should be persistent and saved in a database.

II. User Interface

- User interfaces should be created using Java Servlets or Java Server Pages (JSP).