🏥 Online Health Report Management System

✅ Project Summary

A centralized digital platform that provides each patient with a **unique e-ID** (linked to their NIC) to track their complete health history. The system connects **patients, doctors, pharmacists,** and **administrators**, making healthcare more **efficient, transparent,** and **accessible**.

👤 User Roles

- **Patients** – View medical history, prescriptions, and treatments.
- **Doctors** – Add reports, diagnose, prescribe medication, and update treatment history.
- **Pharmacists** – Record medicine purchases and dosages.
- **Admins** – Manage system access, user verification, and data security.

📂 Main Modules & Data Fields

🩺 1. Doctor Channeling

- **Channeling ID**
- Patient (via e-ID)
- Doctor
- Hospital
- Date & Time
- Doctor's Report
- Prescription (linked to medicines)

💊 2. Medicine Usage & Purchase

- **Prescription ID**
- Patient (via e-ID)

- Doctor

- Hospital/Pharmacy

- Date & Time

- Medicine Details

- Dosage Information

🏥 3. Treatments

- **Treatment ID**

- Patient (via e-ID)

- Doctor

- Date & Time

- Treatment Description

- Admission Period (if any)

🌟 Key Benefits

- 🔄 **Avoids Duplicate Tests**: Doctors see previous reports instantly.

- 💸 **Saves Time & Costs**: For patients, doctors, and hospitals.

- ⚙️ **Streamlines Workflows**: Faster diagnosis and treatment.

- 📈 **Improves Public Health Planning**: Data analytics for future needs.

💰 Income & Government Benefits

- **Licensing Fees**: Private hospitals pay for platform access.

- **Sell Insights**: Anonymized data (location-wise disease trends, treatment effectiveness, etc.) can be shared with:

  - Government health agencies

  - Research bodies

  - NGOs & verified institutions

- **National Savings**: Reduced hospital congestion and waste of medical resources.

✍️ Optional Additions (Simple Yet Valuable)

- 🔐 **Basic Authentication**: OTP/email-based login for patients.
- 📄 **Downloadable Health Report PDFs**
- 📅 **Doctor Appointment Scheduler**
- 📲 **Mobile-friendly Interface**