

VISHWA – Vital Information System for Health, Wellness and Awareness

(VISHWA)

Objective

We aim to improve global health care by creating a modern, data-based system that tracks diseases, makes the best use of health resources, and provides real-time health information.

VISHWA gives doctors, health officials, and researchers the useful information they need to act quickly, focus on prevention, and protect public health worldwide.

Lab Group: 6

Project Group No: 2

Group Members

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Application Users

1. **Public Users (Unlogged)**
2. **Healthcare Providers**

3. **VISHWA Officials**
 4. **Researchers and Scientist**
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Use Cases

Unlogged Users

These users do not require authentication and can:

- View global health statistics
- Search disease information
- Access public health advisories
- Check vaccination rates by region and many more information

Healthcare Providers

Registered healthcare providers receive a unique ID and must provide the following details:

- **Institution Name**
- **Institution Type** (Hospital, Clinic, Research Center)
- **License Number**
- **Address and Contact Information**
- **Department Details**
- **Staff Count**
- **Facility Capacity**

Main Functions

- Report disease cases
- Update resource inventory
- Request medical supplies
- Submit health statistics
- Access regional health data
- Generate facility reports

VISHWA Officials

- Monitor disease outbreaks
- Manage resource distribution

- Review health data
 - Issue public health advisories
 - Coordinate emergency responses
 - Generate global health reports
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Database Features

1. Disease Tracking

- Categorize diseases
- Track outbreaks
- Report cases
- Record transmission data
- Store treatment guidelines

2. Resource Management

- Manage medical supplies
- Distribute equipment
- Allocate staff
- Track facility capacity
- Deploy emergency resources

3. Health Statistics

- Monitor population health
 - Track mortality rates
 - Record vaccination coverage
 - Measure healthcare access
 - Analyze disease prevalence
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Reports and Queries

For Public Users (Unlogged)

- Search disease details by name, region, or type
- View global health statistics (e.g., vaccination and mortality rates)
- Access health advisories by region
- Check disease prevalence by country or region

For Healthcare Providers

- Report disease cases
- Update resource inventory (e.g., medical supplies, equipment)
- Request supplies from VISHWA
- Generate facility reports (e.g., staff count, facility capacity)
- Access regional health data (e.g., outbreaks, vaccination rates)
- Submit health statistics (e.g., treated cases, used resources)

For VISHWA Officials

- Monitor disease outbreaks by region or country
- Manage medical resource allocation
- Review health statistics (e.g., mortality and vaccination rates)
- Issue health advisories for specific regions
- Coordinate emergency responses (e.g., resource deployment, staff allocation)
- Generate global health reports (e.g., disease prevalence, vaccination rates)

For Researchers

- Access disease transmission data
 - View treatment guidelines
 - Analyze population health data
 - Study healthcare accessibility by region
 - Generate reports on disease prevalence and mortality rates
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