

Project Description (CDSL Website)

URL: <https://cdsl.com.bd/>

This project is a company information website developed using Laravel. The website is designed to display a company's details such as its profile, services, and other related information in a structured and visually appealing manner.

Laravel is used mainly for routing, templating (Blade), and project organization, while the content remains static and does not change dynamically through user input. The website focuses on clean design, easy navigation, and maintainable code structure.

Technologies Used

- **Framework:** Laravel (PHP)
- **Frontend:** HTML, CSS, JavaScript, Blade Templates
- **Styling:** Bootstrap / Tailwind CSS
- **Server:** Apache (XAMPP)
- **Tools:** Composer, Git

Key Features

- Static company information pages
- Clean and responsive UI
- Blade templating for reusable layouts
- Organized folder structure using Laravel

Project Description (TK Group Inventory & E-Commerce Website)

URL: <https://inventory.cdsl.com.bd/>

This project is a basic Inventory and E-commerce demo website developed using Laravel. The website is designed to demonstrate how products can be managed and displayed online, along with simple inventory tracking.

The system allows the admin to add, update, and manage products, while users can view products and their details. It is created for demo and learning purposes, focusing on core concepts rather than full commercial features.

Technologies Used

- **Backend:** PHP (Laravel Framework)
- **Frontend:** HTML, CSS, JavaScript, Blade Templates
- **Database:** MySQL
- **Architecture:** MVC (Model–View–Controller)
- **Styling:** Bootstrap / Tailwind CSS
- **Server:** Apache (XAMPP)

Key Features

- Product listing and details page
- Basic inventory management (stock quantity)
- Simple cart functionality (demo level)
- Admin product management (CRUD)
- User-friendly and responsive design

Purpose of the Project

- Learning Laravel and MVC architecture
- Understanding basic E-commerce and inventory concepts
- Demonstration and academic use

Project Description (INNOGAS Prepaid Gas Meter Recharge System)

URL: <https://innogas.cdsl.com.bd/>

This project is a Prepaid Gas Meter Recharge System developed using Laravel. The system is designed to manage customers and gas meters, allowing users to recharge meters online through an integrated payment system.

In the system, customers and their assigned gas meters are registered. When a customer performs a recharge, the payment is processed through a payment gateway. After a successful payment, the system automatically sends a recharge request to the Meter Server using an API, which updates the meter balance in real time without manual intervention.

This project is developed mainly for demo and learning purposes, focusing on system integration, API communication, and payment workflow.

Technologies Used

- **Backend:** PHP (Laravel Framework)
- **Frontend:** HTML, CSS, JavaScript, Blade Templates
- **Database:** MySQL
- **Architecture:** MVC (Model–View–Controller)
- **Payment Integration:** Online Payment Gateway (Demo/Sandbox)
- **API Integration:** REST API (Meter Server Communication)
- **Server:** Apache / XAMPP

Key Features

- Customer registration and management
- Gas meter registration and assignment
- Online prepaid recharge system
- Secure payment gateway integration
- Automatic meter recharge via API after payment
- Recharge history and transaction records

- Admin dashboard for monitoring

Purpose of the Project

- Demonstrate prepaid utility billing concepts
- Learn Laravel CRUD, payment integration, and API usage
- Academic and demonstration use