# EcoSync: Revolutionizing Waste Management in Dhaka

A comprehensive web application for Dhaka North City Corporation

This is Welcome Page

- Introduction:

- **Welcome, esteemed guests, to the unveiling of EcoSync,** a groundbreaking initiative poised to revolutionize waste management in Dhaka North City Corporation. Today marks a significant milestone as we introduce a transformative solution designed to address the pressing challenges faced by our community in managing waste sustainably.
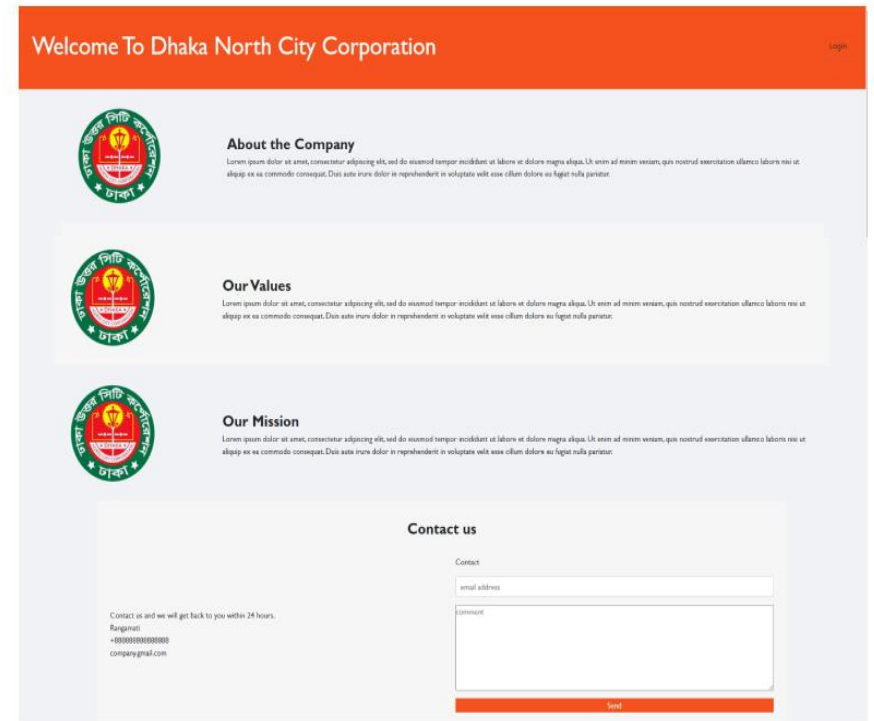
Next Steps

- 1. Design the user interface and functionality of EcoSync.

- 2. Develop the backend database and integrate with the application.

- 3. Test EcoSync thoroughly to ensure reliability and usability.

- 4. Deploy EcoSync to DNCC and provide necessary training to stakeholders.

The Challenge

- Design and develop EcoSync, a web application for DNCC.
- Caters to System Admin, Landfill Manager, and STS Managers.
- Streamline waste collection, transportation, and processing efficiently.

Admin Login Page

- The admin login page serves as a secure entry point for authorized administrators to access the EcoSync system

- Access Point

- Credential Verification

- Authentication Process

- Authorization Check

- Session Management

Password Reset

- This is the password reset functionality
- Initiating the reset-password capability and redirecting to next page for changing password after authentication process.

This is admin Dashboard

- Here's how it typically works:

- Access Control

- User Interface

- Data Visualization

- Management Tools

- Reporting and Analytics

- Alerts and Notifications

- Configuration and Settings
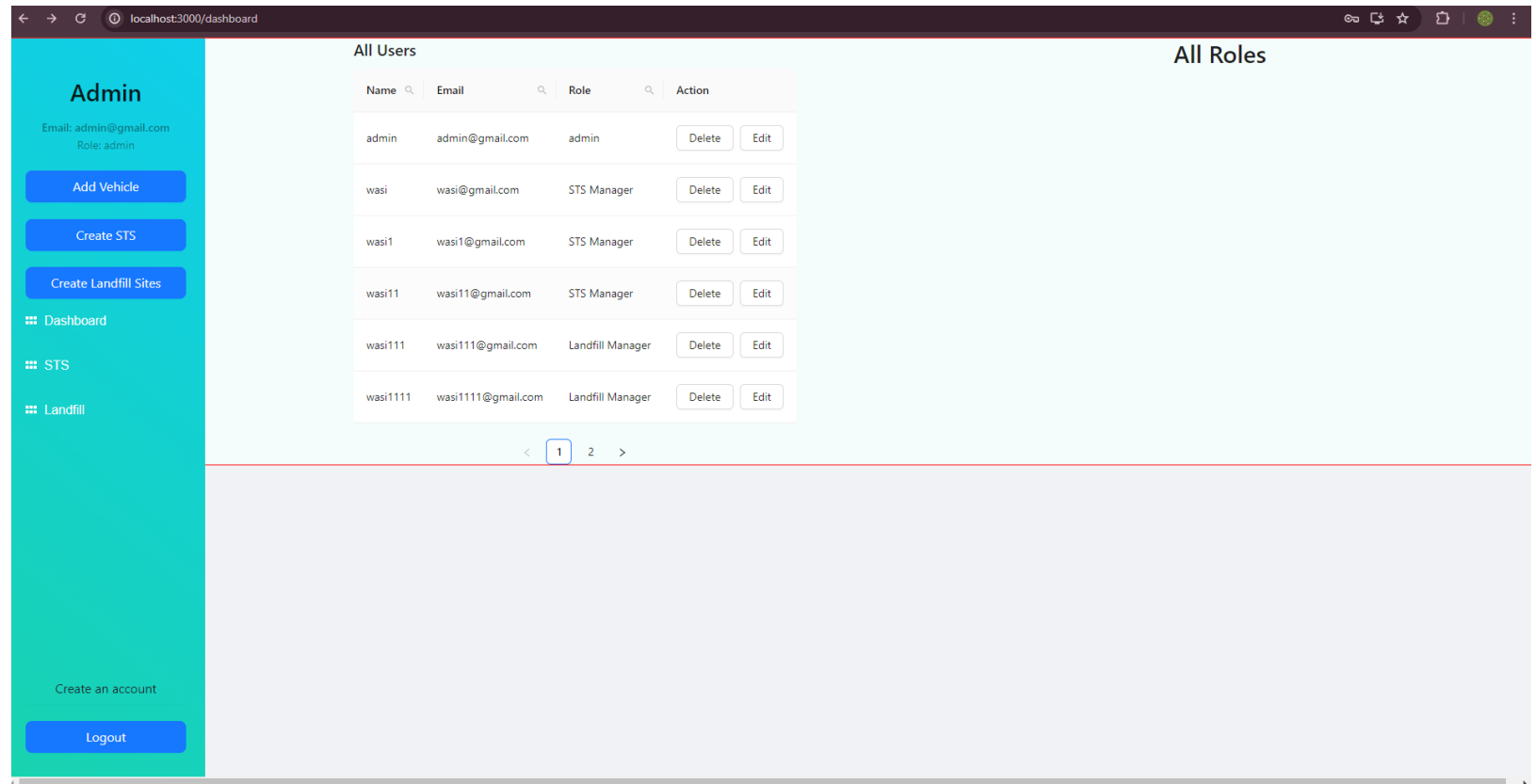
All Users table (Admin access)

- If the admin has the authority to modify user information, then changes may be made to all user data within the system.

All Users

Name	Email	Role	Action	
admin	admin@gmail.com	admin	Save	Cancel
wasi	wasi@gmail.com	STS Manager	Delete	Edit
wasi1	wasi1@gmail.com	STS Manager	Delete	Edit
wasi11	wasi11@gmail.com	STS Manager	Delete	Edit
wasi111	wasi111@gmail.com	Landfill Manager	Delete	Edit
wasi1111	wasi1111@gmail.com	Landfill Manager	Delete	Edit

Users Delete (Admin Access)

- Admin has the capability to remove or erase data belonging to users.

Search and filter Users (Admin access)

- Admin can search all of the users information

Current Municipal Solid Waste Management Practices

- Domestic Waste Collection:
- - Waste collected from housing societies and transported to Secondary Transfer Stations (STS).
- - Each ward has one STS, and wards without STS utilize open bins.
- Waste Transfer:
- - Waste transported from STS to landfills using dump trucks and compactor trucks.
- - Aminbazar landfill serves DNCC, Matuail landfill serves DSCC.
- Resource Allocation:
- - Oil allocation managed based on vehicle trips for efficient operation.
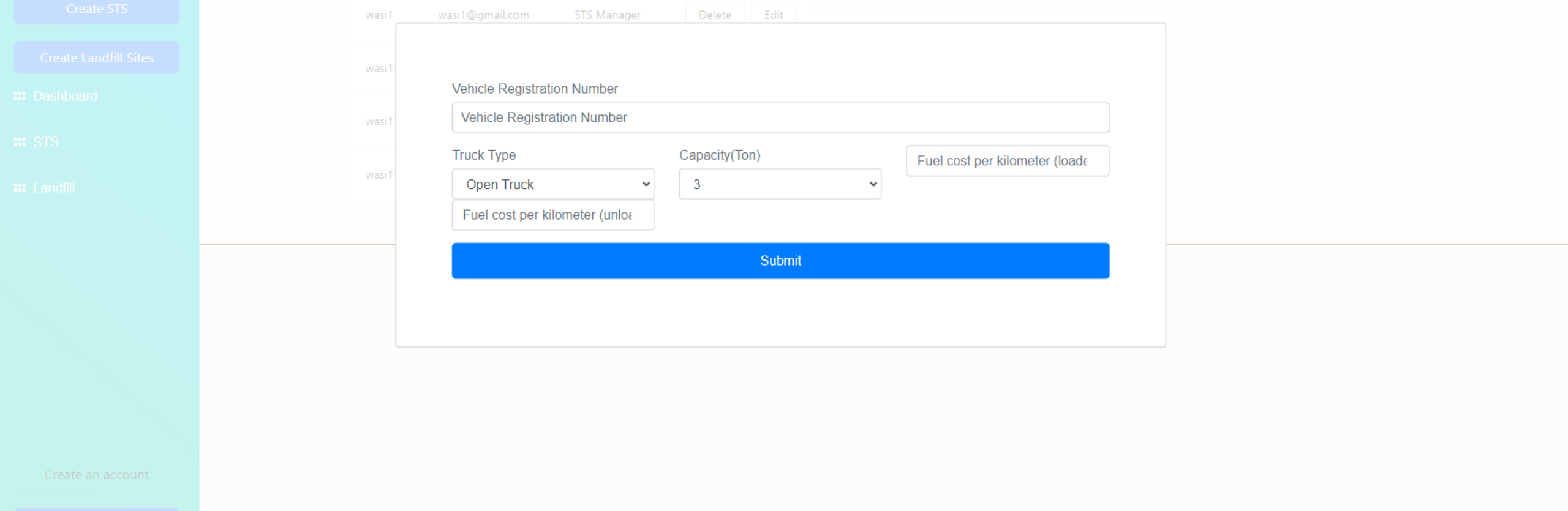
Add vehicle

- An admin possesses the ability to include or input information about a vehicle into a system or database. This could involve entering details such as the vehicle's make, model, year, registration information, and any other relevant data. Essentially, it suggests that the admin has the authority to input new vehicle records into a system or platform.
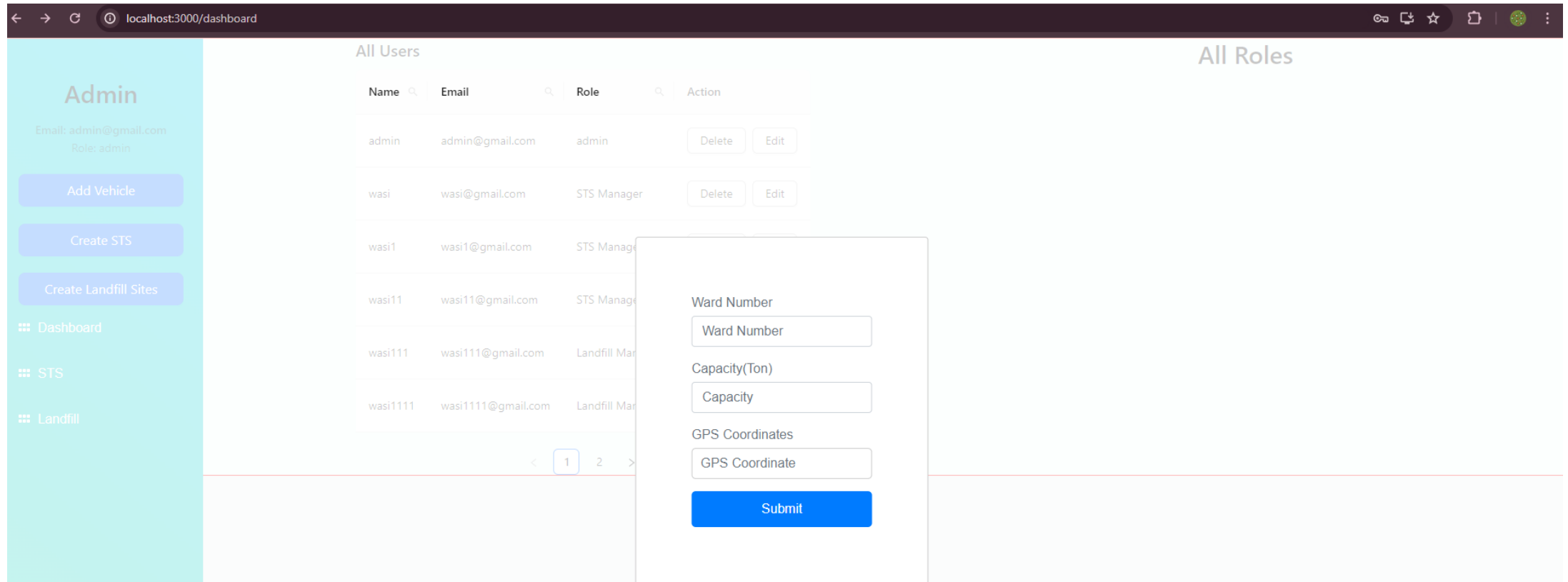
ADD STS

- Admin can easily add STS and monitor them
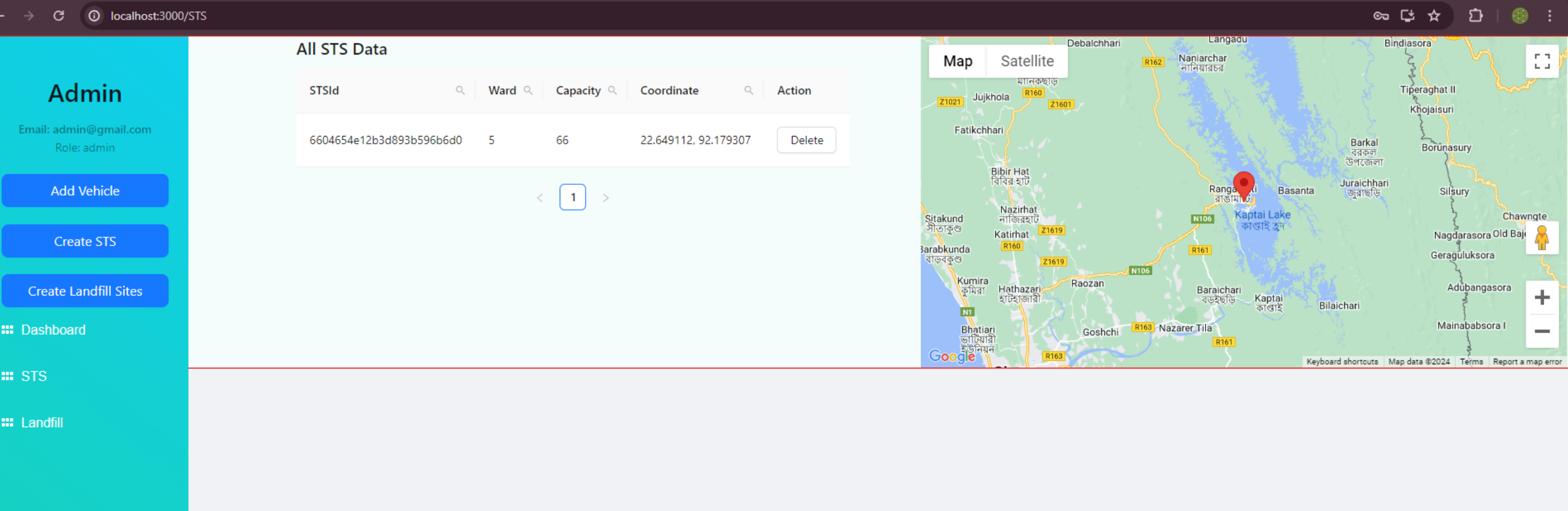
Real-time STS View

- Admin can view all the sts real-time in the google map locations

- Admin can also search and filter the sts data

- Admin has the delete capability

ADD Landfill

- Admin can easily add Landfill sites and monitor them

This is Landfill page

- A landfill page typically refers to a webpage providing information about landfills.

- Types of Waste Accepted

- Operating Hours and Location

- Safety Regulations

- Environmental Impact

Admin can create new user with particular roles

Logout

- When users logout the dashboard.
- Then the user's session is deleted and redirected to the home page.

Stakeholders and Requirements

- System Admin:
- - Manage user accounts, access permissions, and system settings.
- Landfill Manager:
- - Monitor landfill operations, waste disposal, and environmental impact.
- STS Managers:
- - Coordinate waste collection, transportation, and STS operations.

EcoSync Overview

- A comprehensive web application for DNCC's waste management.

- Unified platform for stakeholders to manage processes efficiently.

- Enhance accountability and transparency through technological innovation.

Thank You!

- We look forward to revolutionizing waste management with EcoSync.