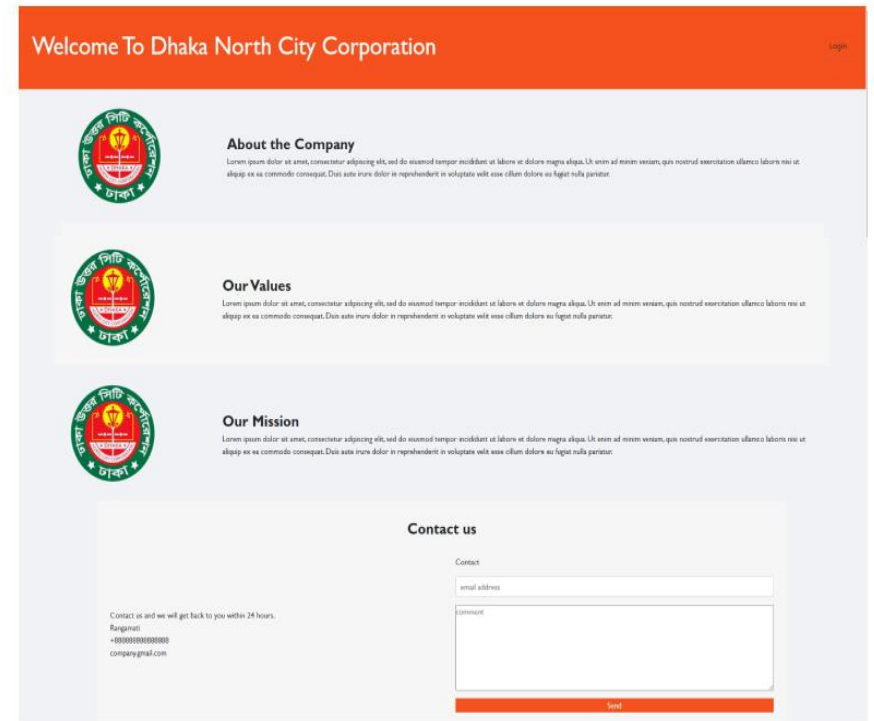


# EcoSync: Revolutionizing Waste Management in Dhaka

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.



## Log In

Unlock the experience

\* **Email**

\* **Password**

Login

Reset Password

# 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

\* Email

Enter your email

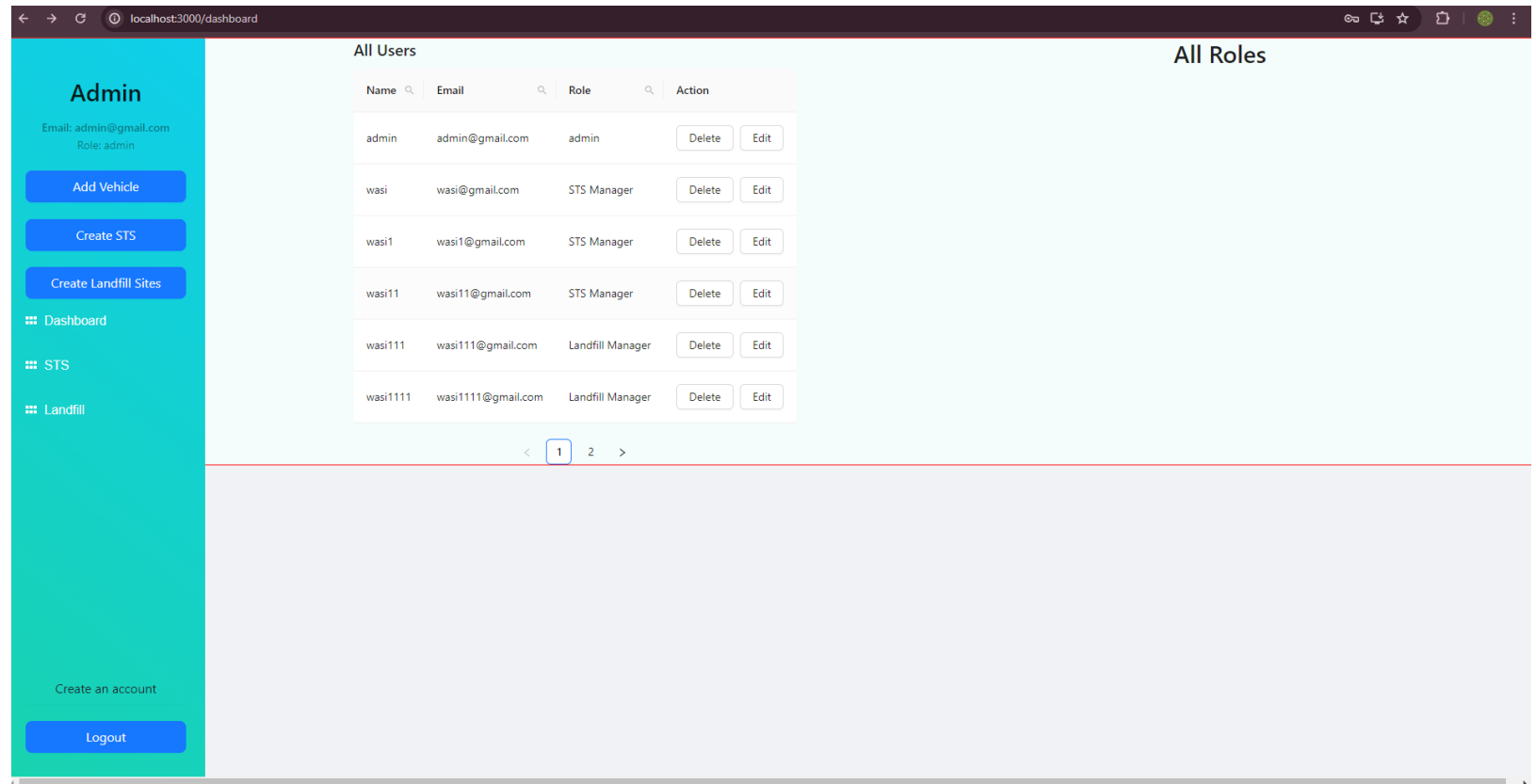
Initiate Reset Password

# 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)

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- 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
<input type="text" value="admin"/>	<input type="text" value="admin@gmail.com"/>	<input type="text" value="admin"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
wasi	wasi@gmail.com	STS Manager	<input type="button" value="Delete"/> <input type="button" value="Edit"/>
wasi1	wasi1@gmail.com	STS Manager	<input type="button" value="Delete"/> <input type="button" value="Edit"/>
wasi11	wasi11@gmail.com	STS Manager	<input type="button" value="Delete"/> <input type="button" value="Edit"/>
wasi111	wasi111@gmail.com	Landfill Manager	<input type="button" value="Delete"/> <input type="button" value="Edit"/>
wasi1111	wasi1111@gmail.com	Landfill Manager	<input type="button" value="Delete"/> <input type="button" value="Edit"/>



## Users Delete (Admin Access)

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

### All Users

Name 🔍	Email 🔍	Role 🔍	Action
admin	admin@gmail.com	admin	<button>Delete</button> <button>Edit</button>
wasi	wasi@gmail.com	STS Manager	<button>Delete</button> <button>Edit</button>
wasi1	wasi1@gmail.com	STS Mar	<div><div>! Are you sure to delete this user?</div><div><button>No</button> <button>Yes</button></div></div>
wasi11	wasi11@gmail.com	STS Manager	<button>Delete</button> <button>Edit</button>
wasi111	wasi111@gmail.com	Landfill Manager	<button>Delete</button> <button>Edit</button>
wasi1111	wasi1111@gmail.com	Landfill Manager	<button>Delete</button> <button>Edit</button>

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## Search and filter Users (Admin access)

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- Admin can search all of the users information

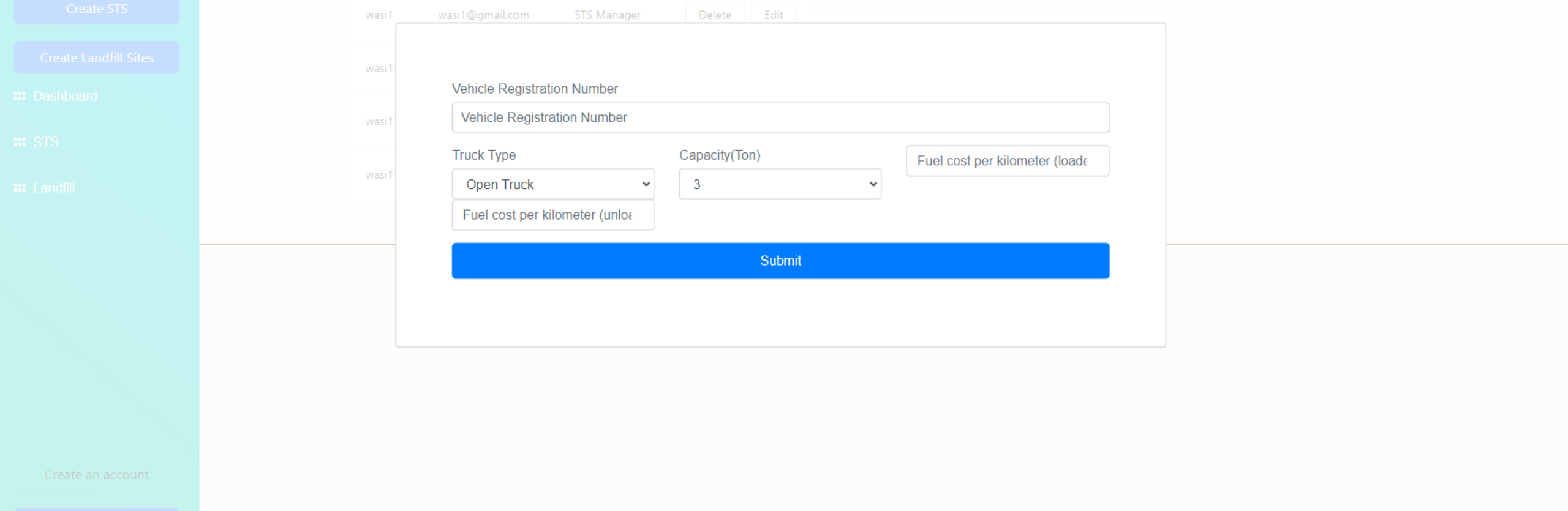
All Users

Name 🔍	Email 🔍	Role 🔍	Action
admin	admin@gm		Delete Edit
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

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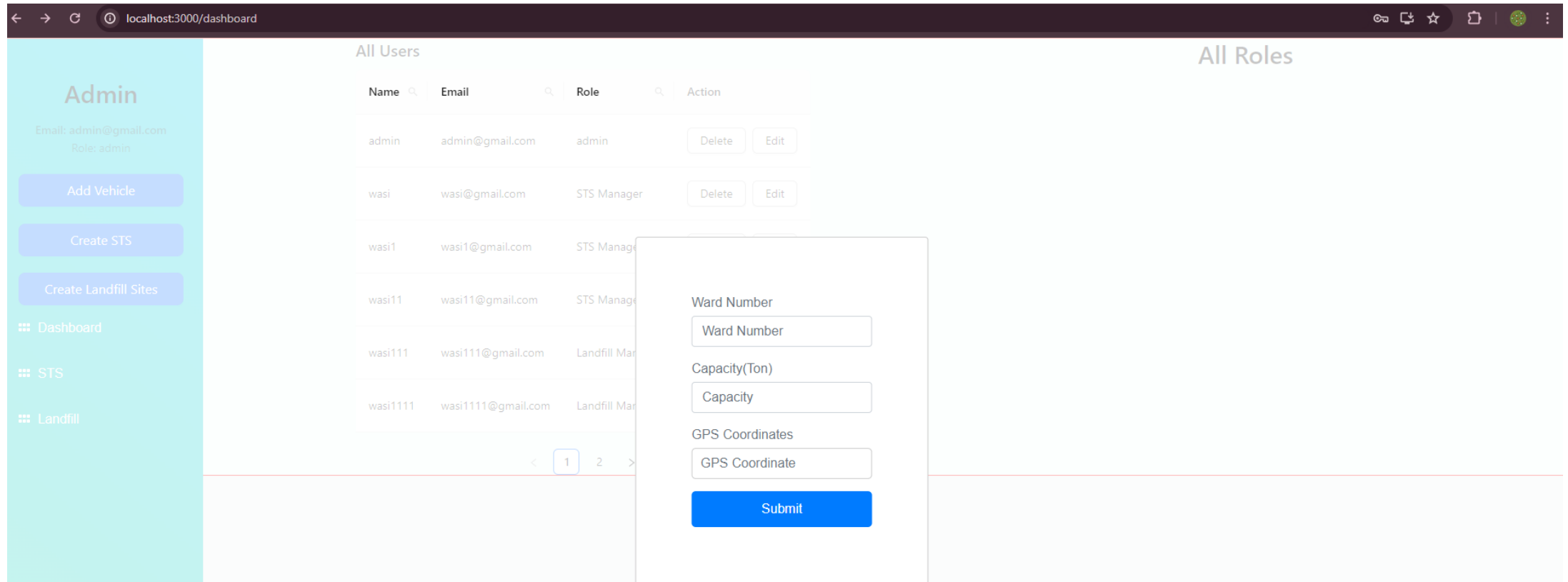
# Current Municipal Solid Waste Management Practices

- 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.



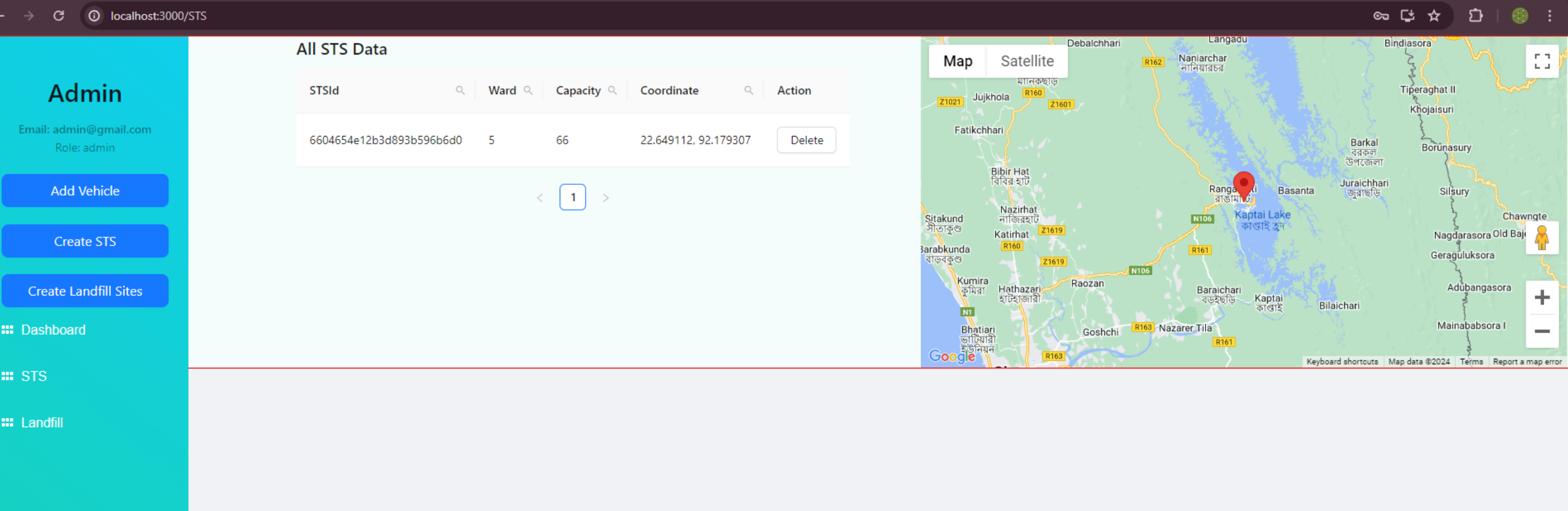
## Add vehicle

- 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

Role: admin

[Add Vehicle](#)

[Create STS](#)

[Create Landfill Sites](#)

Dashboard

STS

Landfill

Create an account

admin	admin@gmail.com	admin	<a href="#">Delete</a>	<a href="#">Edit</a>
wasi	wasi@gmail.com	STS Manager	<a href="#">Delete</a>	<a href="#">Edit</a>
wasi1	wasi1@gmail.com	STS Manager		
wasi11	wasi11@gmail.com	STS Manager		
wasi111	wasi111@gmail.com	Landfill Manager		
wasi1111	wasi1111@gmail.com	Landfill Manager		

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Capacity (Ton)

Capacity

Operational Timespan

Operational Timespan

GPS Coordinates

GPS Coordinates

[Submit](#)

## ADD Landfill

- Admin can easily add Landfill sites and monitor them

## Admin

Email: admin@gmail.com  
Role: admin

Add Vehicle

Create STS

Create Landfill Sites

Dashboard

STS

Landfill

### All Landfill Data

LandfillId	Capacity	Operational Timespan	Coordinates	Action
66058e266a76734152d1ba76	3	5	22.649112, 92.179307	Delete
66058e4a6a76734152d1ba7c	3	3	22.649112, 92.179307	Delete
660594c96a76734152d1bb1b	5	5	23.824137, 90.41611	Delete

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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



## Create an account

\* Full name

Enter your full name

\* Email

Enter your email

\* Password

Enter your password

\* Password

Re-Enter your password

\* Role

☐ STS Manager ☐ Landfill Manager ☐ User


Create Account

Dashboard




Admin can create new user with particular roles

Welcome To Dhaka North City Corporation




### About the Company

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.



### Our Values

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.



### Our Mission

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Contact us and we will get back to you within 24 hours.  
Rangemati  
+8800000000000000  
company@gmail.com

### Contact us

Contact

email address

comment

Send

# 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.