**Student Management System**

**Backend code with Database :-**

**API for Student Registration:**

const express = require("express");

const mongoose = require("mongoose");

const Student = require("./models/Student"); // Mongoose schema

const app = express();

app.use(express.json());

// MongoDB connection

mongoose.connect("mongodb://localhost:27017/sms", { useNewUrlParser: true, useUnifiedTopology: true })

.then(() => console.log("MongoDB connected"))

.catch((err) => console.log(err));

// Student Registration Route

app.post("/api/students/register", async (req, res) => {

const { name, email, password } = req.body;

try {

// Check for existing user

const existingStudent = await Student.findOne({ email });

if (existingStudent) return res.status(400).json({ message: "Student already exists" });

// Save new student

const newStudent = new Student({ name, email, password });

await newStudent.save();

res.status(201).json({ message: "Student registered successfully" });

} catch (error) {

res.status(500).json({ message: "Server Error" });

}

});

// Start the server

app.listen(5000, () => console.log("Server running on http://localhost:5000"));

**Mongoose Schema for Student:**

const mongoose = require("mongoose");

const StudentSchema = new mongoose.Schema({

name: { type: String, required: true },

email: { type: String, required: true, unique: true },

password: { type: String, required: true },

registeredAt: { type: Date, default: Date.now },

});

module.exports = mongoose.model("Student", StudentSchema);