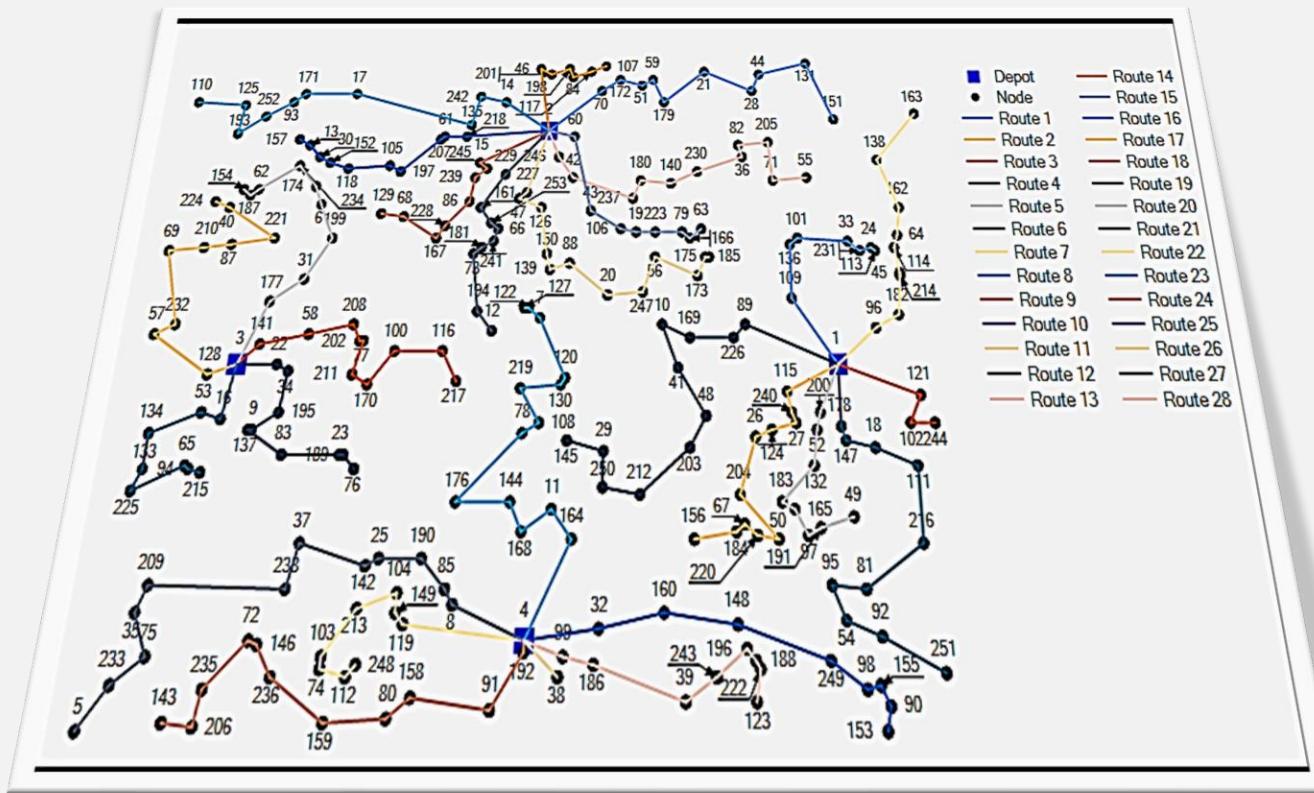




# Logistics and Operations Research

# Vehicle Routing

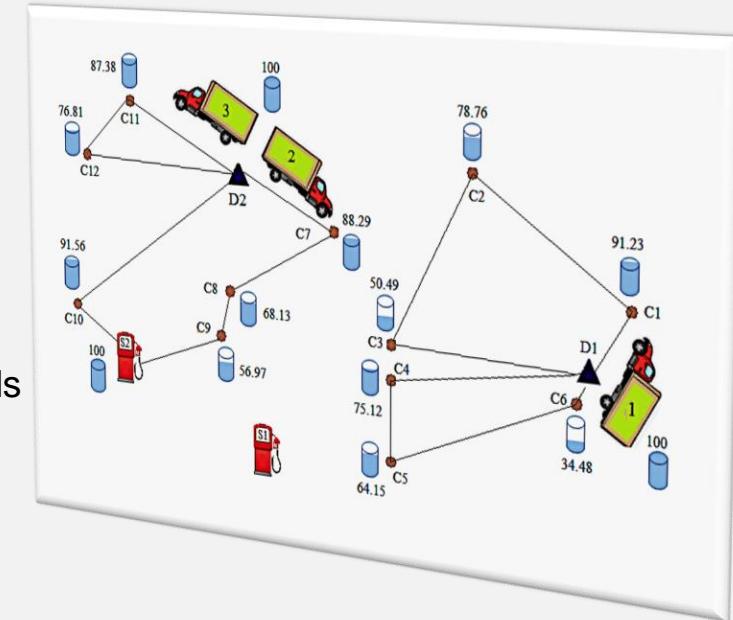


*Vehicle routing is crucial for optimizing the routes of delivery vehicles to reduce transportation costs and improve service quality.*

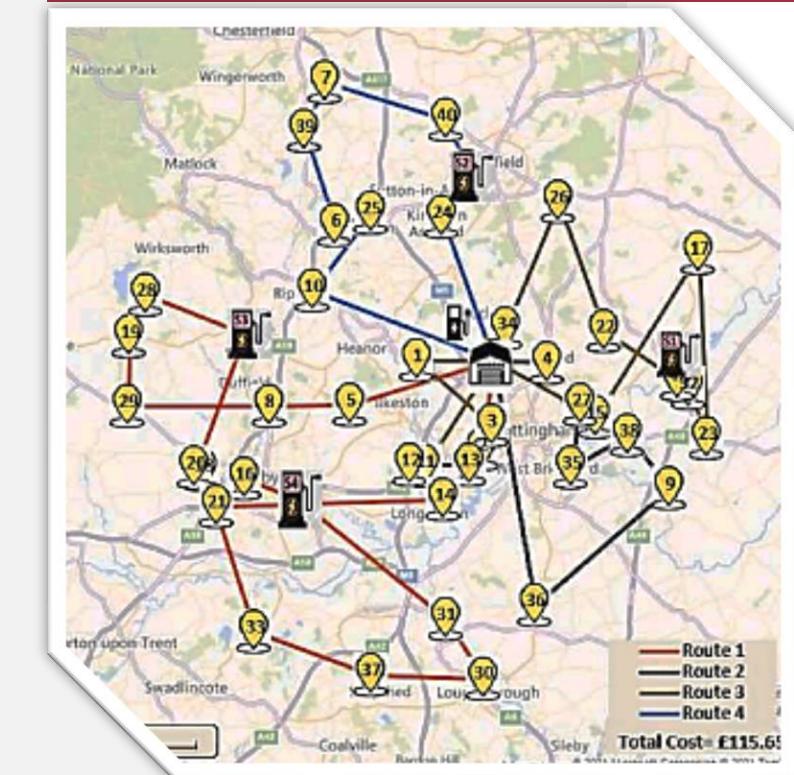
- Vehicle Routing Problems (VRP)
- Capacitated VRP
- VRP with Time Windows
- Open VRP
- Multi-Depot VRP
- VRP in Urban Logistics
- Optimization Algorithms for VRP
- Metaheuristics

# Green Logistics

- Sustainable Transportation
- Electric Vehicles (EVs) in Logistics
- Carbon Footprint Reduction
- Renewable Energy in Logistics
- Environmental Impact of Logistics
- Dynamic Charging on Electrified Roads
- Mobile Charging Stations
- Portable chargers



# Operations Research



- Linear Programming
- Integer Programming
- Network Flow Problems
- Inventory Management
- Supply Chain Optimization
- Decision Analysis
- Stochastic Models

**Green logistics focuses on reducing the environmental impact of logistics operations through sustainable practices and technologies, including the use of electric vehicles.**