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MAXIMUM	

CHAPTER 11:-Future Scope

The **future scope of public transport** is incredibly dynamic, driven by sustainability, technology, and evolving commuter needs. Here's a glimpse into what's ahead.

Electrification & Green Mobility

- Governments worldwide are pushing for electric buses, trams, and ferries to reduce emissions and noise pollution.
- India's **National Electric Bus Program** aims to deploy 50,000 electric buses by 2030.
- Eco-friendly infrastructure like solar-powered stations and rainwater harvesting will become standard.

Smart Technology & AI Integration

- AI will optimize routes, predict maintenance needs, and enhance safety through real-time monitoring.
- Autonomous vehicles and smart traffic systems will reduce congestion and improve reliability.
- Contactless payments and mobile ticketing will streamline the commuter experience.

Mobility-as-a-Service (MaaS)

- Unified platforms will let users plan, book, and pay for multi-modal journeys—buses, metros, bikes, and taxis—all in one app.
- Subscription models may offer unlimited access across transport modes, encouraging shared mobility.

Urban Planning & Infrastructure Expansion

- Metro rail networks, bullet trains, and cable cars will expand connectivity across cities and regions.
- Waterways and pod taxis are emerging as futuristic options for eco-friendly and efficient travel.

Passenger-Centric Design

- Hyper-personalized mobility apps will tailor routes and fares to individual behavior.
- Enhanced accessibility features and comfort upgrades will make public transport more inclusive.

Data-Driven Decision Making

- Aggregated transport data will help planners identify gaps, forecast demand, and prioritize upgrades.
- Public-private partnerships will play a key role in funding and innovation

Sustainability & Community Engagement

- Picklists may include eco-friendly features like solar panels, rainwater harvesting, or plastic roads—helping track green initiatives.
- Community-driven CRM modules could allow passengers to suggest or vote on amenities, with picklist values evolving based on public input.

Smart Integration with IoT

Picklist values can be dynamically linked to IoT sensors at bus stations—for example, real-time status of toilets, lighting, or vending machines can auto-update CRM fields.

AI-Powered Suggestions

CRM systems may use machine learning to recommend new picklist values based on commuter feedback, seasonal trends, or usage patterns.