

Module 4 European Studies through Digital Management

Practical workshop No. 3

Topic 3: Smart Cities and Digital Public Services in Europe

Part 1: The Role of Smart Cities in Enhancing Urban Life and Governance

1. **Defining Smart Cities and Their Importance in Europe**
 - How **technology-driven urban development** improves efficiency, sustainability, and quality of life.
 - The role of **IoT, AI, and big data** in smart city infrastructure.
 2. **Key EU Policies and Strategies for Smart Cities**
 - **The European Smart Cities Marketplace**: Supporting urban innovation.
 - **The Digital Decade Strategy (2030)**: Promoting smart governance and connectivity.
 - **Horizon Europe funding** for smart city research and development.
 3. **Examples of Leading Smart Cities in Europe**
 - **Barcelona**: AI-powered traffic management and IoT-driven smart lighting.
 - **Tallinn**: Digital citizenship and e-governance innovations.
 - **Copenhagen**: Sustainable urban planning with AI-driven environmental monitoring.
 4. **Challenges in Developing Smart Cities**
 - **Privacy and data security concerns** in connected urban infrastructure.
 - **Integration issues** between legacy systems and new digital services.
 - **Ensuring accessibility and digital inclusion** for all citizens.
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Part 2: The Expansion of Digital Public Services in Smart Cities

1. **The Role of E-Governance in Digital Public Services**
 - **Online public service portals** for seamless citizen interactions.
 - **AI chatbots and virtual assistants** for real-time government support.
 - **E-ID and digital authentication** for secure access to public services.
2. **Smart Mobility and Transportation Solutions**
 - The impact of **AI-driven traffic management and public transport optimization**.
 - **Autonomous vehicles and electric mobility initiatives** in European cities.
 - The role of **smart parking and bike-sharing systems** in urban planning.
3. **IoT and AI in Public Safety and Environmental Monitoring**
 - **Predictive policing and AI-driven crime prevention**.
 - **Smart energy grids and waste management systems** for sustainable living.
 - **Real-time air quality monitoring** to improve urban health policies.
4. **The Future of Smart Cities and Digital Public Services in the EU**
 - Expanding **cross-border digital public services** across EU member states.
 - The rise of **5G-powered urban infrastructure** and edge computing.
 - Strengthening **ethical AI governance** in smart city development.

