Smart Governance: Leveraging Big Data and AI for Policy Co-Creation

COURSE OVERVIEW
This course explores the transformative potential of Big Data analytics and Artificial Intelligence in reimagining how public policy is formulated, moving from traditional top-down models to dynamic, evidence-based, and collaborative co-creation. Participants will examine how these technologies can be harnessed to analyze complex societal problems, model policy outcomes, and engage citizens and stakeholders in meaningful dialogue to design more effective and responsive solutions. The curriculum balances technical understanding with critical assessment, addressing both the immense opportunities for improving public service efficiency and civic participation and the significant challenges related to data ethics, algorithmic bias, privacy, and digital exclusion.

WHO SHOULD ATTEND?
This course is designed for professionals who stand at the intersection of public service, technology, and community engagement. The ideal audience includes public policy makers, government officials, and urban planners seeking to modernize their practice; data scientists and AI engineers interested in applying their skills to civic challenges and social good; civic tech entrepreneurs and product managers developing platforms for public engagement; researchers and academics in political science, sociology, and public administration; and NGO and advocacy group leaders who want to leverage data for policy influence and community organizing.

COURSE OUTCOMES
Delegates will gain the skills and knowledge to:
- Evaluate the capabilities and limitations of Big Data sources (e.g., sensors, social media, administrative data) and AI techniques (e.g., NLP, predictive modeling) for public policy analysis.
- Design a structured process for policy co-creation that integrates data-driven insights with participatory methods to include diverse citizen and stakeholder voices.
- Develop a prototype for a data-driven tool (e.g., a simulation model, public feedback platform, or policy dashboard) that facilitates collaborative policy design.
- Critically assess the ethical risks, including privacy infringement, bias, and the digital divide, associated with using AI and Big Data in public governance.
- Formulate a strategy for implementing and communicating a data-informed, co-created policy initiative within a real-world governmental context.

KEY COURSE HIGHLIGHTS
At the end of the course, you will understand;
- The role of big data and AI in transforming governance and policy-making processes.
- Techniques for leveraging data analytics and AI to support collaborative policy co-creation.
- Methods for integrating citizen inputs and stakeholder data into AI-driven decision-making.
- Strategies for ensuring transparency, accountability, and ethical use of AI in governance.
- Tools for monitoring and evaluating the impact of AI-powered policy initiatives.
- Challenges and solutions related to data privacy, bias, and inclusivity in smart governance.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded