



AI and Data Intelligence for 5G Networks

Description

This course will unlock the transformative potential of AI and Data within the rapidly evolving 5G ecosystem. As networks become more complex, AI-driven automation is the key to efficiency and scalability. In this training, we explore how artificial intelligence and data analytics are not only powering next-generation networks but also revolutionizing industries, governments, and individual connectivity experiences. Real-world case studies will demonstrate the impact of these technologies in creating intelligent, responsive, and future-ready 5G networks.

Duration : 1 Day

Content of the Training:

1. **Introduction to AI, Data Science, and the 5G Landscape**

Understand how AI and data science intersect with 5G technology, and explore the AI and analytics landscape in modern telecom environments.

2. **AI & Data Use Cases in 5G Networks**

Learn from practical examples where AI and data-driven insights have optimized 5G network efficiency, capacity, and performance.

3. **Unlocking Real-Time Capabilities with AI in 5G**

Explore how AI enhances 5G's real-time decision-making, enabling faster response times and predictive analytics for dynamic network management.

4. **Optimizing 5G Operations and Maintenance with AI**

Discover how AI and data analytics streamline daily operations and preventive maintenance, driving greater automation in 5G network management.

5. **AI & Analytics in Action: Applied Case Studies**

Apply the concepts of AI and data science to solve real-world network challenges through hands-on case study exercises and simulations.

6. **Evolving AI Standards and Future Applications in 5G**

Dive into the latest global standards for AI and data in 5G, and look ahead to what's next as AI continues to evolve in the telecom space.