

Introduction to AI&ML applied to Open RAN

This Learning Program introduces the framework for using AI/ML technologies to improve the performance and automation of radio resources in the access network through intelligent algorithms that improve the system continuously.

Upon completion of this learning program, you will be able to:

- Identify the ways how Data science and AI/ML can enhance Open RAN solutions.
- Describe how the AI-enabled policies and ML models are enforced in Open RAN.
- Recognize AI/ML use cases.
- Identify the ML algorithms and describe the use of AI/ML in RAN optimization scenarios.
- Describe the use of ML in SON implementations.

COURSE MODULES

- Introduction - Introduction to AI&ML Applied to Open RAN
- Introduction to Artificial Intelligence and Machine Learning
- Mapping AI&ML functionalities into the Open RAN architecture
- Understanding Open RAN Interfaces for AI/ML
- O-RAN defined interfaces for AI/ML
- AI/ML use cases for Open RAN