



Table of content

Day 1:

❖ **5G Technology Overview**

- ❖ Setting-up the base - Transition from 1G to 4G
 - ❖ Technology Primer - Key Terms and Concepts in Communication
 - ❖ Network Architecture changes from 2G to 4G, LTE to LTE-Advanced
 - ❖ Licensed and Unlicensed LTE Bands
- ❖ 5G Cellular Network
 - ❖ WHY 5G – The Business Case & Key Drivers
 - ❖ 5G Key Features
 - ❖ Network Changes - Getting Ready for 5G (Impact on Telecom Industry)

❖ **IoT and Het-Net: Overview**

- ❖ IoT introduction
 - ❖ IoT use cases, in other industry verticals like:
 - Intelligent Home, Transportation, Supply Chain
 - Automobiles, Medicines etc.
 - ❖ IoT Eco-system: Devices & Network view
 - ❖ Challenges for IoT
- ❖ Heterogeneous Networks (Het-Nets)
 - ❖ Small Cells, Pico cells, Femto Cells etc.
 - ❖ Wi-Fi Offloading
 - ❖ Impact on Telecom Industry

Day 2:

❖ **Other Emerging Technologies**

- ❖ Big Data
- ❖ Introduction to VR (Virtual Reality)
- ❖ VR (Virtual Reality) versus AR (Augmented Reality)
- ❖ AI (Artificial Intelligence)/Robotics
- ❖ Use cases

❖ **Concept to Application - Smart City**

- ❖ Why Smart City
- ❖ What is Smart City and it's Key Areas
- ❖ Smart City Architecture & components
- ❖ Smart City ecosystem and key stakeholders in India
- ❖ Smart City Business Model Basics
- ❖ Case Studies and Learnings