

Section 3 Assignment: Crafting Your Private 5G Roadmap

Overview:

In this assignment, you will consolidate all the knowledge you've acquired throughout Section 3 and apply it practically. You are tasked with creating a detailed Private 5G Roadmap for a hypothetical organization or, if applicable, your organization.

Instructions:

1) Choose a Scenario

- Option A: A medium-sized manufacturing facility looking to integrate IoT sensors.
- Option B: A large hospital aiming to implement telemedicine solutions.
- Option C: A university campus aspiring to offer high-speed internet and data analytics capabilities.

2) Strategic Objectives

- Clearly define 3-5 strategic objectives your chosen organization aims to achieve through private 5G deployment.

3) Scope & Scale

- Describe the size, geography, and user count of your intended private 5G network.

4) Budget & Financial Planning

- Prepare a basic financial plan that includes initial costs, operating expenses, and an ROI projection.

5) Stakeholder Involvement

- Identify key stakeholders and outline a strategy to involve them throughout the project's lifecycle.

6) Regulatory Compliance

- Briefly list the regulations you must adhere to and describe how you intend to maintain compliance.

7) Roadmap

- Build a detailed roadmap outlining milestones, timelines, risk assessment, and KPIs.
- Use any project management software or tools you prefer for this task (e.g., Microsoft Project, Asana, Trello).

Expected Outcomes:

1. Written Report: Produce a written report detailing the Strategic Objectives, Scope & Scale, Budget & Financial Planning, Stakeholder Involvement, and Regulatory Compliance
2. Private 5G Roadmap: Create your digital or interactive roadmap, which should display milestones, timelines, risk assessments, and KPIs.
3. Presentation: Consider preparing a 10-15 slide presentation summarizing your report and roadmap as if you were presenting this to your organization's leadership.

Assessment Criteria:

- Comprehensiveness: How thoroughly have you covered all elements?
- Alignment: Do your roadmap and strategic objectives align well?
- Feasibility: How realistic and achievable are your plans?
- Clarity and Organization: Is your report and presentation easy to follow?
- Critical Thinking: Have you showcased problem-solving and strategic planning?

Upon completing this assignment, you will have a solid grasp of what goes into planning and executing a private 5G network implementation. More than just a theoretical exercise, this will give you the practical know-how to navigate the complexities and challenges of bringing a private 5G network to life.

Good luck!