**Fiche technique du projet de PFE**

**2022-2023**

Sujet : Nokia SDN & Model Driven CLI

Stagiaire : Mohamed Hakmaoui

Entreprise : NOKIA SOLUTIONS AND NETWORKS MAROC

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**Date de Début :** 08/03/2023.. **Date de fin :** 30/06/2023

DESCRIPTION PRECISE DES ACTIVITES PREVUES

Description du Projet :

The need for 5G applications making use of slicing use cases will make the SDN technology at the heart of all Telecom operators IP networks.

This project is an introduction to the SDN technology based mainly on studying Nokia SDN and providing use case definition and design document. The project is also aiming to provide scripts for SDN LAB environment setup.

Tâches à réaliser :

- Understanding of Nokia IP solutions and the SDN component,

- Study and compare the existing SDN solutions in the market,

- Study, understand and practice SROS MD-CLI

- Identify and design SDN/NE usecases for a LAB

- Develop scripts for LAB environment setup

Livrables:

 SDN solutions study and comparison,

 Nokia SROS MD-CLI Study and comparison with standard CLI,

 Provide Usecases definition document,

 Design document for an SDN LAB,

 Scripts for SDN LAB environment setup,

DESCRIPTION PRECISE DES COMPETENCES VISEES

**Competitive analysis, SDN Controller, MD-CLI, scripting**

**Signature de l’entreprise : Selma El Fassi Date : 22/02/2023**