

# Benson's Milestone

## NS3 AI project WiFi scenario

Period: (1/26~2/27)

Purpose: For the NTUST wifi digital twin AI scenario

Question: Where does AI want to train (SMO, RIC, local) for the Digital twin AI scenario

### Part 1 (Study the official version ns3) (1/26~1/30 (3day))

1. Introduction
2. Related parts
3. What is the meaning of install process
4. How to adjust parameter
5. Example analysis

### Part 2 (Topologie to NIST-ORAN ns3 env) (1/30~2/7(7day))[RISK: Data released by NIST is incomplete]

1. Compare the official ns3 to understand the operation process of the NIST-oran version ns3
2. Install the NIST-ORAN ns3 Env
3. Try the NIST AI example
4. Analysis how to communicate between components of the AI example

### Part 3 (Import wifi data into the model) (2/12~2/19(7day))[RISK: NIST official not release any project about wifi]

1. Find the wifi example from NIST (best) NS3 official (second)

2. Find out how to run wifi data in AI example
3. Accomplish WIFI AI example

## **Part 4 (Real time of the WIFI AI example) (2/20~2/27(7day))**

1. Try to connect with the BMW laboratory's RIC
2. Run the Basic AI example in NTUST wifi env