Step 1. Install Ubuntu 20.04 Ubuntu 20.04.6 LTS (Focal Fossa)

Step 2 Install NS-3.35
1. Open Terminal
2. $ cd ~
3. $ cd workspace
4. $ git clone https://gitlab.com/nsnam/ns-3-allinone.git
5. $ cd ns-3-allinone/
6. $ ./download.py -n ns-3.35
7. $ cd ns-3.35
8. $ ./waf configure
9. $ ./waf build

Step 3 Install NR Module in NS-3.35
1. Open Terminal
2. $ cd ~
3. $ cd workspace/ns-3-allinone/ns-3.35/src
4. $ git clone https://gitlab.com/cttc-lena/nr.git
5. $ cd nr
6. $ git checkout 5g-lena-v1.2.y
7. $ cd ../..
8. $ ./waf configure
9. $ ./waf build

Step 4 Install NS-3-ai
1. Open Terminal
2. $ cd ~
3. $ cd workspace/ns-3-allinone/ns-3.35/contrib
4. $ git clone https://github.com/hust-diangroup/ns3-ai.git
5. $ cd ..
6. ./waf configure
7. ./waf
8. $ cd contrib/ns3-ai/py_interface
9. $ pip3 install . --user

Step 5 Run the Code Base
1. Put the nr_bsr_allUE folder in the the scratch folder
2. Replace the nr-ue-mac.cc file in the ns-3.35/src/nr/model folder with the given modified file
3. Open the terminal in the nr_bsr_allUE folder
4. Run the requirements.txt file : pip3 install -r requirements.txt
5. To get the without prediction results we have to comment out sections of 2 files:
   a. Comment out line 97-133 in run_online_lstm.py
   b. Comment out line 163-179 in my-tdma.cc

6. Run the file through terminal : python3 run_online_lstm.py 1 > log.out 2>&1
7. We get the log files in log.out and output file in the flow folder