

## **Test description**

- 1. Build a platform for testing, using ROS and CARLA, specifically designed for drones and unmanned vehicles. Due to the sensitivity of research and testing platforms in universities, the platform needs to be built independently.**
- 2. The dataset code provides an example, which can be downloaded using code. CARLA installation also uses code installation, and then adopts the HSTC-GTNN model architecture we designed and proposed.**
- 3. PyCharm, Anaconda, or Jupyter Lab can be used, and the basic function libraries are numpy and matplotlib. Secondly, pytorch and TensorFlow libraries are required for ANN processing, and Tensor is needed to be placed on GPU or CPU for processing.**
- 4. Carla is related to autonomous vehicles and unmanned vehicles, while ROS is related to drones. Its rotors simulation integrates Gazebo for multi task simulation processing.**