Homework 2 - Simulation the Random Coverage with Guaranteed Connectivity: Joint Scheduling for Wireless Sensor Networks

Environment

- Deploy 1,500 sensor nodes randomly in a 200 meters * 200 meters area and place the sink node at the center of the area.

- The radio range of each sensor node is fixed to 10 meters.

Result

- **Case 1:**
- Communication/Sensing Range Ratio = 2
- In Different Number of Subset (2, 3, 4, 5)
  - Original and Additional Time Slot (only node ID = 0, 100, 200…)
  - Routing Path Information (only node ID = 0, 100, 200…)
  - Coverage Rate of Each Subset

- **Case 2:**
- Number of Subset = 3
- In Different Communication/Sensing Range Ratio (2, 3, 4, 5)
  - Original and Additional Time Slot (only node ID = 0, 100, 200…)
  - Routing Path Information (only node ID = 0, 100, 200…)
  - Coverage Rate of Each Subset

Report

- Deadline: 6/16.
- Writing in Word File.
- Use Figure or Text to present the results.
- Also Describe this results.