**Use case 1: Topic Tagging (semantic similarity)**

**Input Topic with keywords:**

client\_topic\_info = {

"Accidents": ["Fire Explosion", "Blast", "Collided", "Allision", "sinking", "Sank", "Collision", "Allided", "Sunk", "pollution", "Refinery", "Accident", "Accidents"],

"Labour strike": ["Port Strike", "Airport Strike", "Platform", "Pipeline", "Labour Dispute", "Union Strike", "Piracy", "Labour strike"],

"Ship": ["Barge", "Capsized", "Aground", "Ferry", "oilrig", "Tanker", "Towage", "Vessel", "Yacht", "Crew", "Dock", "4Coast guard", "Engine-room", "shipyard", "Drydock", "Tug", "Ship"]

}

The Aim of this task should tag the topic against the articles using the keywords using semantic match . We already tagged the topic using typical exact match and rule.

e.g:

Topic: {"expanding office" : ["expand office"]}

**Articles** : "..doubling the office .."

We should tag this as an Expending office Topic even though the double the office keyword is not included in the list.