**Bullet Point Goals for Period 17/02/23 – 24/02/23**

* Produce code in python to generate random graph topologies with the following stochastic models:
  + Duncan Watts’ Alpha Model
  + Watts-Strogatz Model (Beta model)
  + Erdos-Renyi G(n, p)
  + Erdos-Renyi G(n, M)
  + Barabsi-Albert Graph
* Research and make notes on the suitability of a random graph with log-normal degree distribution as opposed to scale-free network (e.g. Barabasi-Albert) and algorithm(s) to generate a network with log-normal degree. Add academic sources to the bibliography database.
* Produce a simple genetic algorithm to find the shortest path between two nodes in a small static graph
* Write a function to add weights to an undirected unweighted graph, represented in Python as a Networkx Graph object, where the weights are drawn from a uniform distribution.