CBT IT465

Course Project Problem Statement

1. Design and develop a consensus algorithm to choose a miner from the miners' pool to mine the next block in the chain. The algorithm designed should provide fairness among all the miners. Avoid POW, POS, and Round-robin concepts.
2. Inject the proposed algorithm in the Ethereum network [see the link below] and perform the qualitative analysis of the proposed algorithm.
3. Test run the proposed algorithm with at least eight miners.
4. The analysis should be done considering the following parameters:
    a. Total number of blocks mined by each miner.
    b. The average time taken to mine every 50 , 100, 150, and 200 blocks for the block size 1 KB and 5 KB.
5. Take any online data as a transaction to construct the block, or use any data at your convenience.
6. Links to inject your consensus algorithm into Ethereum.

    Part 1 - https://www.talentica.com/blogs/hacking-ethereum-to-inject-our-own-consensus-algorithum-part-1/

    Part 2 - https://www.talentica.com/blogs/hacking-ethereum-to-inject-our-own-consensus-alogrithm-part-2/