**OptCH\_L-LDAR: Designing Energy efficient Lifetime-aware Leisure Degree Adaptive routing protocol with Optimal Cluster head selection for 5G communication network disaster management**

1. Mention the importance of Device to Device (D2D) communicatuon in 5G communication network
2. In the WSN node to node communication model, illustrate the issues while the selection of Sink node as an Idle node.
3. Mention the importance of “event detection capabilities” of the source node while communicate with the intra cluster node.
4. Is the recovery system for sensor nodes are the mandatory? Justify it with necessary answers.
5. Illustrate the diference between the leader node and Edge node on a cluster.
6. Explain about the mobility management entity.
7. While the intra cluster communication process, is there any issues where the bodered nodes are in ideal state?
8. How can you handle the issue while the communications infrastructure was on the absence status?
9. Mention the advantages of Improved Binary Flower Pollination Algorithm.
10. Is the energy consumption increased while the path selection nodes are in busy state?
11. Provide the mathematical notation of power transfer mechanism.
12. Why the Full - duplex proximity amenities are getting attention in disaster zone?
13. What is meant by User Equipment Relay (UER) nodes? Mention the importance of it.
14. Provide the mathematical notation of outage probability
15. How to calculate the transmission ability of a node?
16. Is the number of sensor nodes affected the energy consumption and life time of the network?
17. Mention the issues in decoding forward (DF) approach.
18. Provide the mathematical notation of optimal power consumption in cluster head
19. Define the term Area Coverage (AC)
20. What is meant by Coverage Ratio (CR)?
21. Mention the operations of SINR inside the D2D duplex.
22. Mention the optimization problems are raised while the sensor node started to transmit the messages from a cluster.
23. How to discovering the Route and determine how the selecting node as the best node?
24. Mention the interruptions of overall additive white Gaussian noise
25. How the proposed model achieved high energy efficiency?
26. Define the life time of the Network. Is it related to the sensor nodes?
27. Define spectral efficicency of the WSN
28. Provide the future enahncements of this paper.
29. Add the performance parameters in the conclusion section and justify how the proposed model was better while compared with the other models.
30. Add some recent references related to the research and list out it the literature