

Identifying the Node Isolation in the Cluster Head During the Failure Using the Application of Artificial Intelligence

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In the present scenario, the Artificial Intelligence plays a vital role in wireless sensor network, where we need to find the most optimal cases for a given cluster node to have its performance. In most of the cases, when the cluster nodes are getting failure during the process then other node in the cluster will take part in the process. In traditional approach such advance algorithms were not remains using which we can identify the failure nodes.

A Wireless Sensor Network is the important area of research where, many works are going on the basis of cluster application. The main goal is to formulate wireless sensor networks (WSNs) using the AI approach for finding the fault identification problem in the cluster using pattern classification and to introduce a newly developed advance algorithm, so that we can find the failure node in the cluster easily. In traditional approach we are using a algorithm Neighbour node Hidden Conditional Algorithm (NHCA) to determine the unknown path through which packets are transmitted from source to destination, But unfortunately due to the advance in the modern approach, it becomes some time difficult to find the optimal node in the cluster who is suffering form the failure operation, which may causes the performance to get slow down. Hence to overcome form such problems we need to develop a better algorithm in fusion with the AI approach. The AI is the modern approach by using which we can provide the better sensing approach of sensor head and can bring down the problem in smooth and efficient manner.

Hope it may provide a good research platform for the upcoming research.

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