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## Certificate

*It is here by certified that the paper ID : IJRASET47484, entitled*  
*Quantum K-means Clustering and Classical k Means Clustering For Chest Pain*  
*Classification Using Qiskit*

*by*  
*Arvind Balakumar*

*after review is found suitable and has been published in*  
*Volume 10, Issue XI, November 2022*

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*Good luck for your future endeavors*

*By [Signature]*

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