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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  
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*Good luck for your future endeavors*

*By [Signature]*

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