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## Certificate

*It is here by certified that the paper ID : IJRASET23288, entitled  
**Implementation of Intelligent Controllers in Direct Torque Controlled  
Permanent Magnet Synchronous Motor***

*by*

***Dr. A. Sudhakar***

*after review is found suitable and has been published in*

*Volume 7, Issue V, May 2019*

*in*

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*By [Signature]*

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